

Appendix Z
Sediment and Soil Logs



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
Edison, NJ 08837
Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-AY37

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-AY37

Project Location: Fords, NJ

Date Completed: 5/2/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-AY37-I-J-0-050219 |
| | | Black CLAY, little SILT and organics, very soft | | 0 | | |
| | | Gray CLAY, little fine SAND, soft | | | | |
| 1 | | Gray fine and medium SAND, moderately sorted | 1.2 | 0 | 1 - 1.2 | WP-PBC-AY37-C-D-0-050219 |
| | | No recovery | | | | |
| 2 | | End of Borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613828

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.004

Boring difficulty: Hard

Top of sediment visibility: High

Time boring completed: 1500

Time/sediment level (ft) before draining sleeve: Not recorded

Time/sediment level (ft) after draining sleeve: Not recorded/no settlement observed



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205 Campus Drive
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Phone: (732) 417-5800
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Log of Borehole: WP-PB-BB37

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BB37

Project Location: Fords, NJ

Date Completed: 5/2/19

Total Depth (ft bb): 1.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-----------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BB37-I-J-050214 |
| | | Black CLAY, little SILT and organics (roots), very soft | | 0 | | |
| | | Gray CLAY, trace fine SAND, soft | 0.66 | | | |
| 1 | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613828

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542144

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.955

Boring difficulty: Moderately hard

Top of sediment visibility: Clear

Time boring completed: Not recorded

Time/sediment level (ft) before draining sleeve: 1139/Not recorded

Time/sediment level (ft) after draining sleeve: 1339/No settlement observed



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Log of Borehole: WP-PB-BB40

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BB40

Project Location: Fords, NJ

Date Completed: 5/2/19

Total Depth (ft bb): 1.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BB40-K-L-0-050219 |
| | | Gray CLAY, some fine SAND, soft | | 0 | | |
| 1 | | Gray fine and medium SAND, moderately sorted | 1.25 | 0 | 1 - 1.25 | WP-PBC-BB40-C-D-0-050219 |
| | | No recovery | | | | |
| | | End of Borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613798

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542144

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.936

Boring difficulty: Hard

Top of sediment visibility: High

Time boring completed: Not recorded

Time/sediment level (ft) before draining sleeve: 1140/Not recorded

Time/sediment level (ft) after draining sleeve: 1240/No settlement observed



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
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Log of Borehole: WP-SB-AY38

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-AY38

Project Location: Fords, NJ

Date Completed: 5/2/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-AY38-I-J-0-050219 |
| | | Black CLAY, little SILT and organics, very soft | | 0 | | |
| | | Gray CLAY, some fine SAND, soft | 0.5 | | | |
| 1 | | No recovery | | | | |
| | | End of Borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613822

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.963

Boring difficulty: Fairly easy

Top of sediment visibility: Clear

Time boring completed: Not recorded

Time/sediment level (ft) before draining sleeve: 1512/Not recorded

Time/sediment level (ft) after draining sleeve: 1527/No settlement observed



The Trusted Integrator for Sustainable Solutions

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Log of Borehole: WP-PB-AV34

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-AV34

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-AV34-A-B-0-050719 |
| | | Gray (5YR 5/1) fine and medium SAND, moderately sorted | | 0 | | |
| 1 | | Yellow red (5YR 5/8) SILT, little CLAY, organics (roots) | 1.55 | 0 | 1 - 1.5 | WP-PB-AV34-C-D-0-050719 |
| | | Gray (5YR 5/1) fine and medium sand, moderately sorted | | | | |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613858

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542084

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.917

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 0857

Time/sediment level (ft) before draining sleeve: 0955/0.45

Time/sediment level (ft) after draining sleeve: 1040/0.47



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Log of Borehole: WP-PB-AY34

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-AY34

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-AY34-A-B-0-050719 |
| | | Black (5YR 2.5/1) CLAY, some SILT and organics (roots) little fine SAND | | 0 | | |
| 1 | | Gray (5YR 5/1) CLAY, some fine SAND, soft | 1.45 | 0 | 1 - 1.45 | WP-PB-AY34-C-D-0-050719 |
| | | Gray (5YR 5/1) fine and medium SAND, some CLAY | | 0 | | |
| 2 | | Dark gray (5YR 4/1 fine and medium SAND, moderately sorted | | | | |
| | | No recovery | | | | |
| | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613858

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.963

Boring difficulty: Very hard

Top of sediment visibility: Very low

Time boring completed: 0837

Time/sediment level (ft) before draining sleeve: 1140/0.81

Time/sediment level (ft) after draining sleeve: 1200/0.81



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Log of Borehole: WP-PB-BB31

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BB31

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (5YR 4/1) CLAY, very soft | | 0 | 0 - 0.5 | WP-PB-BB31-I-J-0-050719 |
| | | Gray (5YR 5/1) fine SAND, little CLAY | | 0 | | |
| 1 | | Gray (5YR 5/1) Medium SAND, little coarse SAND and fine well rounded gravel | 1.35 | 0 | 1 - 1.35 | WP-PBC-BB31-H-I-0-050719 |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613888

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542144

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.880

Boring difficulty: Very hard

Top of sediment visibility: Low

Time boring completed: 1517

Time/sediment level (ft) before draining sleeve: 1539/0.50

Time/sediment level (ft) after draining sleeve: 1605/0.54



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Log of Borehole: WP-SB-AT34

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-AT34

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.35 | WP-SB-AT34-I-J-0-050719 |
| | | Gray (5YR 5/1) CLAY, some fine SAND, very soft | 0.35 | | | |
| | | No recovery | | | | |
| 1 | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613858

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542056

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.943

Boring difficulty: Moderately hard

Top of sediment visibility: Clearly visible

Time boring completed: 1302

Time/sediment level (ft) before draining sleeve: 1315/1.62

Time/sediment level (ft) after draining sleeve: 1350/1.62



The Trusted Integrator for Sustainable Solutions

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Log of Borehole: WP-SB-AT36

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-AT36

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (5YR 4/1) CLAY, little fine SAND and organics (roots) | | 0.8 | 0 - 0.5 | WP-SB-AT36-I-J-0-050719 |
| | | Gray (5YR 5/1) fine and medium SAND, little CLAY | 0.7 | 0.5 0.2 | | |
| 1 | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613832

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542058

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.864

Boring difficulty: Moderate

Top of sediment visibility: Low

Time boring completed: 1332

Time/sediment level (ft) before draining sleeve: 1345/1.23

Time/sediment level (ft) after draining sleeve: 1425/1.25



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Log of Borehole: WP-SB-AV32

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-AV32

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-AV32-I-J-0-050719 |
| | | Gray (5YR 5/1) fine and medium SAND, moderately sorted | 0.55 | 0 | | |
| | | No recovery | | | | |
| 1 | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613874

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542084

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.893

Boring difficulty: Moderately hard to hard

Top of sediment visibility: Low

Time boring completed: 1119

Time/sediment level (ft) before draining sleeve: 1300/1.42

Time/sediment level (ft) after draining sleeve: 1320/1.42



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Log of Borehole: WP-SB-AV37

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation


Borehole Completed As: WP-SB-AV37

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description <div>USCS</div> <div>Burmister</div> | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | 0.75 | 0 | 0 - 0.5 | WP-SB-AV37-I-J-0-050719 |
| | | Black (5YR 2.5/1) CLAY, little silt and organics (roots) very soft | | 0 | | |
| | | Dark gray (5YR 4/1) CLAY, very soft | | | | |
| 1 | | Yellowish brown (10YR 5/6) CLAY, little fine and medium SAND, soft | | | | |
| | | No recovery | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613827

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542084

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.888

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 1443

Time/sediment level (ft) before draining sleeve: 1503/1.32

Time/sediment level (ft) after draining sleeve: 1515/1.32



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Log of Borehole: WP-SB-AY32

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation


Borehole Completed As: WP-SB-AY32

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | | 0.3 | 0 - 0.5 | WP-SB-AY32-I-J-0-050719 |
| | | Gray (5YR 5/1) CLAY, very soft | | 0.1 | | |
| | | No recovery | 0.55 | | | |
| 1 | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613883

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.991

Boring difficulty: Moderately hard

Top of sediment visibility: Clear

Time boring completed: 1059

Time/sediment level (ft) before draining sleeve: 1140/1.32

Time/sediment level (ft) after draining sleeve: 1300/1.37



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Log of Borehole: WP-SB-AY40

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-AY40

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description <div>USCS</div> <div>Burmister</div> | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-AY40-I-J-0-050719 |
| | | Black (5YR 5/1) CLAY, little SILT and fine SAND, very soft | 0.83 | 0 | | |
| | | Gray (5YR 5/1) fine well sorted SAND, some CLAY | | | | |
| 1 | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613798

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542116

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.902

Boring difficulty: Hard

Top of sediment visibility: Clearly visible

Time boring completed: 0918

Time/sediment level (ft) before draining sleeve: 0955/1.11

Time/sediment level (ft) after draining sleeve: 1000/1.12



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Log of Borehole: WP-ST-AT34

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-AT34

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-AT34-D-E-0-050719 |
| | | Very dark gray (5YR 3/1) CLAY, some SILT and organics (roots), very soft | 0.65 | 0 | | |
| 1 | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613858

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542056

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.750

Boring difficulty: Moderately hard

Top of sediment visibility: Very low

Time boring completed: 1310

Time/sediment level (ft) before draining sleeve: 1315/1.24

Time/sediment level (ft) after draining sleeve: 1410/1.28



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
Edison, NJ 08837
Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-AT36

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

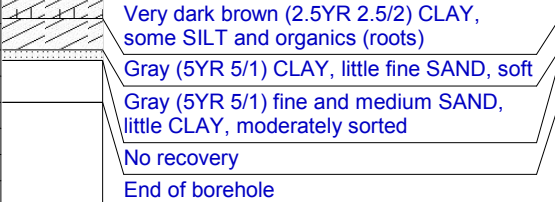
Borehole Completed As: WP-ST-AT36

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description <div>USCS</div> <div>Burmister</div> | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | 0.6 | 0 | 0 - 0.5 | WP-ST-AT36-D-E-0-050719 |
| | | Very dark brown (2.5YR 2.5/2) CLAY, some SILT and organics (roots) | | 0 | | |
| | | Gray (5YR 5/1) CLAY, little fine SAND, soft | | | | |
| 1 | | Gray (5YR 5/1) fine and medium SAND, little CLAY, moderately sorted | | | | |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613832

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542058

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.639

Boring difficulty: Moderate

Top of sediment visibility: Very low

Time boring completed: 1341

Time/sediment level (ft) before draining sleeve: 1345/1.38

Time/sediment level (ft) after draining sleeve: 1445/1.39



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-AV32

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-AV32

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-AV32-D-E-0-050719 |
| | | Black (5YR 2.5/1) CLAY, little organics (roots), very soft | 0.7 | 0 | | |
| 1 | | Gray (5YR 5/1) fine and medium SAND, moderately sorted | | | | |
| | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613874

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542084

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.893

Boring difficulty: Moderately hard

Top of sediment visibility: Very low

Time boring completed: 1133

Time/sediment level (ft) before draining sleeve: 1300/1.29

Time/sediment level (ft) after draining sleeve: 1335/1.29



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-AV37

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-AV37

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-AV37-F-G-0-050719 |
| | | Gray (5YR 5/1) CLAY, trace fine SAND, very soft | | 0 | | |
| | | Yellowish brown (10YR 5/6) CLAY, little fine SAND | 0.6 | | | |
| 1 | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613827

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542084

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.969

Boring difficulty: Moderately hard

Top of sediment visibility: Very low

Time boring completed: 1452

Time/sediment level (ft) before draining sleeve: 1503/1.44

Time/sediment level (ft) after draining sleeve: 1535/1.47



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
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Log of Borehole: WP-ST-AY32

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-AY32

Project Location: Fords, NJ

Date Completed: 5/7/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description <div>USCS</div> <div>Burmister</div> | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-AY32-D-E-0-050719 |
| | | Very dark gray (5YR 3/1) CLAY, trace organics (roots), very soft | 0.6 | 0 | | |
| | | Gray (5YR 5/1) CLAY, litte fine SAND, soft | | | | |
| 1 | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613883

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.969

Boring difficulty: Moderately hard

Top of sediment visibility: Low

Time boring completed: 1110

Time/sediment level (ft) before draining sleeve: 1140/1.36

Time/sediment level (ft) after draining sleeve: 1235/1.39



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
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Log of Borehole: WP-PB-BB28

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BB28

Project Location: Fords, NJ

Date Completed: 5/10/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BB28-A-B-0-051019 |
| | | Gray (5YR 5/1) CLAY, some fine SAND, very soft | | 0 | | |
| 1 | | Gray (5YR 5/1) fine and medium SAND, moderately sorted | 1.35 | 0 | 1 - 1.35 | WP-PBC-BB28-C-D-0-051019 |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613918

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542144

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.778

Boring difficulty: Very hard

Top of sediment visibility: Clearly visible

Time boring completed: 0940

Time/sediment level (ft) before draining sleeve: 1010/0.53

Time/sediment level (ft) after draining sleeve: 1020/0.53



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BE28

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BE28

Project Location: Fords, NJ

Date Completed: 5/10/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (Gley1 4/N) CLAY, very soft | | 0 | 0 - 0.5 | WP-PB-BE28-A-B-0-051019 |
| | | Gray (5YR 5/1) fine SAND, trace fine well rounded GRAVEL,, moderately sorted | | 0 | | |
| 1 | | Gray (5YR 5/1) medium and coarse SAND, poorly sorted | 0.9 | 0 | | |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613918

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542174

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.699

Boring difficulty: Very hard

Top of sediment visibility: Clearly visible

Time boring completed: 0912

Time/sediment level (ft) before draining sleeve: 1010/0.79

Time/sediment level (ft) after draining sleeve: 1105/0.82



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Log of Borehole: WP-PB-BE37

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BE37

Project Location: Fords, NJ

Date Completed: 5/10/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BE37-K-L-0-051019 |
| | | Gray (5YR 5/1) CLAY, trace fine SAND, soft | | 0 | | |
| | | Gray (5YR 5/1) fine SAND, well sorted | | | | |
| 1 | | | 1.30 | 0 | 1 - 1.30 | WP-PBC-BE37-C-D-0-051019 |
| | | Light gray (Gley 1 7/N) medium SAND, little fine SAND, moderately sorted | | | | |
| 2 | | No recovery | | | | |
| | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613828

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542174

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.998

Boring difficulty: Very hard

Top of sediment visibility: Clearly visible

Time boring completed: 0853

Time/sediment level (ft) before draining sleeve: 1010/0.60

Time/sediment level (ft) after draining sleeve: 1040/0.60



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BA28

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BA28

Project Location: Fords, NJ

Date Completed: 5/10/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BA28-I-J-0-051019 |
| | | Gray (5YR 5/1) CLAY, some fine SAND, soft | | 0 | | |
| | | Gray (5YR 5/1) fine SAND, trace fine well rounded gravel | 0.5 | 0 | | |
| 1 | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613918

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542140

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.650

Boring difficulty: Easy

Top of sediment visibility: Clearly visible

Time boring completed: 1514

Time/sediment level (ft) before draining sleeve: 1340/1.12

Time/sediment level (ft) after draining sleeve: 1345/1.13



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-AT34-051019

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

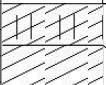
Borehole Completed As: WP-ST-AT34-051019

Project Location: Fords, NJ

Date Completed: 5/10/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description <div>USCS</div> <div>Burmister</div> | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | 0.8 | 0 | 0 - 0.5 | WP-ST-AT34-D-E-0-051019 |
| | | Black (5YR 2.5/1) CLAY, some silt and organics, very soft | | 0 | | |
| 1 | | Black (5YR 2.5/1) CLAY, some organics (ie. roots), little SILT, soft | | | | |
| | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613858

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542056

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.255

Boring difficulty: Moderate

Top of sediment visibility: Low

Time boring completed: 1412

Time/sediment level (ft) before draining sleeve: 1435/1.16

Time/sediment level (ft) after draining sleeve: 1500/1.16



The Trusted Integrator for Sustainable Solutions

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Log of Borehole: WP-ST-AT36-051019

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-AT36-051019

Project Location: Fords, NJ

Date Completed: 5/10/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-AT36-D-E-0-051019 |
| | | Black (5YR 2.5/1) CLAY, some SILT and organics (ie. roots), very soft | 0.55 | 0 | | |
| | | No recovery | | | | |
| 1 | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613832

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542058

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.027

Boring difficulty: Moderate

Top of sediment visibility: Clearly visible

Time boring completed: 1422

Time/sediment level (ft) before draining sleeve: 1435/1.33

Time/sediment level (ft) after draining sleeve: 1440/1.36



The Trusted Integrator for Sustainable Solutions

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Log of Borehole: WP-ST-AV32-051019

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation


Borehole Completed As: WP-ST-AV32-051019

Project Location: Fords, NJ

Date Completed: 5/10/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | | 0 | 0 - 0.5 | WP-ST-AV32-D-E-0-051019 |
| | | Black (5YR 2.5/1) CLAY, some SILT and organics (ie. roots), very soft | 0.6 | 0 | | |
| 1 | | Black (5YR 2.5/1) CLAY, little SILT, very soft | | | | |
| | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613874

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542084

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.328

Boring difficulty: Moderate

Top of sediment visibility: Very low

Time boring completed: 1321

Time/sediment level (ft) before draining sleeve: 1400/1.36

Time/sediment level (ft) after draining sleeve: 1420/1.36



The Trusted Integrator for Sustainable Solutions

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Log of Borehole: WP-ST-AV37-051019

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation


Borehole Completed As: WP-ST-AV37-051019

Project Location: Fords, NJ

Date Completed: 5/10/19

Total Depth (ft bb): 0.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | 0.2 | 0 | 0 - 0.2 | WP-ST-AV37-F-G-0-051019 |
| | | Black (5YR 2.5/1) CLAY, some silt and organics (ie. roots) very soft | | | | |
| | | No recovery | | | | |
| 1 | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613827

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542084

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.675

Boring difficulty: Easy

Top of sediment visibility: Not visible

Time boring completed: 1528

Time/sediment level (ft) before draining sleeve: 1600/not visible

Time/sediment level (ft) after draining sleeve: 1605/1.68



The Trusted Integrator for Sustainable Solutions

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Log of Borehole: WP-ST-AY32-051019

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-AY32-051019

Project Location: Fords, NJ

Date Completed: 5/10/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-AY32-D-E-0-051019 |
| | | Black (5YR 2.5/1) CLAY, some SILT and organics (ie. roots), very soft | | 0 | | |
| | | Black (5YR 2.5/1) CLAY, little SILT, soft | 0.6 | | | |
| 1 | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613883

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.969

Boring difficulty: Moderate

Top of sediment visibility: Clearly visible

Time boring completed: 1304

Time/sediment level (ft) before draining sleeve: 1400/1.29

Time/sediment level (ft) after draining sleeve: 1405/1.29



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-BA28

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BA28

Project Location: Fords, NJ

Date Completed: 5/10/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BA28-D-E-0-051019 |
| | | Black (5YR 2.5/1) CLAY, some SILT and organics (ie. roots), very soft | 0.75 | 0 | | |
| | | Dark gray (Gley1 4/N) CLAY, soft | | | | |
| 1 | | Gray (5YR 2.5/1) fine SAND, little medium SAND, moderately sorted | | | | |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613918

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542140

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.289

Boring difficulty: Moderate

Top of sediment visibility: Clearly visible

Time boring completed: 1151

Time/sediment level (ft) before draining sleeve: 1200/0.95

Time/sediment level (ft) after draining sleeve: 1210/0.95



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BB22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BB22

Project Location: Fords, NJ

Date Completed: 5/14/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BB22-A-B-0-051419 |
| | | Gray (5YR 5/1) CLAY, trace SILT and organics (roots), very soft | | 0 | | |
| | | Gray (5YR 5/1) fine SAND, well sorted | | 0 | | |
| 1 | | Gray (5YR 5/1) CLAY, trace fine SAND, soft | 1.35 | 0 | 1 - 1.35 | WP-PBC-BB22-C-D-0-051419 |
| | | Gray (5YR 5/1) fine SAND, well sorted, well compacted | | 0 | | |
| 2 | | No recovery | | | | |
| | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542144

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.544

Boring difficulty: Difficult

Top of sediment visibility: Clearly visible

Time boring completed: 1112

Time/sediment level (ft) before draining sleeve: 1150/1.62

Time/sediment level (ft) after draining sleeve: 1222/1.62



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BB25

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BB25

Project Location: Fords, NJ

Date Completed: 5/14/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BB25-C-D-0-051419 |
| | | Black (5YR 2.5/1) SILT, little CLAY and organics (roots) | | 0 | | |
| | | Black (5YR 2.5/1) CLAY, little organics (roots), soft | | 0 | | |
| 1 | | Dark gray (Gley1 4/N) CLAY, soft | 0.9 | | | |
| | | Gray (5YR 5/1) CLAY, soft, trace fine SAND | | | | |
| 2 | | Gray (5YR 5/1) CLAY, some fine SAND | | | | |
| | | No recovery | | | | |
| | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542132

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.866

Boring difficulty: Difficult

Top of sediment visibility: Clearly visible

Time boring completed: 1059

Time/sediment level (ft) before draining sleeve: 1150/1.12

Time/sediment level (ft) after draining sleeve: 1300/1.12



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Fax: (732) 417-5801

Log of Borehole: WP-SB-BA22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BA22

Project Location: Fords, NJ

Date Completed: 5/14/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BA22-G-H-0-051419 |
| | | Gray (5YR 5/1) CLAY, soft, trace roots in top 0.05' | 0.55 | 0 | | |
| | | No recovery | | | | |
| 1 | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542142

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.966

Boring difficulty: Moderate

Top of sediment visibility: Barely visible

Time boring completed: 1123

Time/sediment level (ft) before draining sleeve: 1150/1.46

Time/sediment level (ft) after draining sleeve: 1210/1.47



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Log of Borehole: WP-SB-BB19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation


Borehole Completed As: WP-SB-BB19

Project Location: Fords, NJ

Date Completed: 5/14/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | | 0 | 0 - 0.45 | WP-SB-BB19-D-E-0-051419 |
| | | Black (5YR 2.5/1) CLAY and SILT, some organics (roots, leaves) | 0.45 | | | |
| | | No recovery | | | | |
| 1 | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614007

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542145

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.163

Boring difficulty: Easy

Top of sediment visibility: Clearly visible

Time boring completed: 1429

Time/sediment level (ft) before draining sleeve: 1455/1.61

Time/sediment level (ft) after draining sleeve: 1505/1.61



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Fax: (732) 417-5801

Log of Borehole: WP-ST-BA22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BA22

Project Location: Fords, NJ

Date Completed: 5/14/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BA22-C-D-0-051419 |
| | | Black (5YR 2.5/1) SILT, some CLAY and organics (roots), very soft | 0.6 | 0 | | |
| | | No recovery | | | | |
| 1 | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542142

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.697

Boring difficulty: Easy

Top of sediment visibility: Clearly visible

Time boring completed: 1130

Time/sediment level (ft) before draining sleeve: 1150/1.40

Time/sediment level (ft) after draining sleeve: 1155/1.40



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Log of Borehole: WP-ST-BB19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation


Borehole Completed As: WP-ST-BB19

Project Location: Fords, NJ

Date Completed: 5/14/19

Total Depth (ft bb): 1.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | | 0 | 0 - 0.2 | WP-ST-BB19-A-B-0-051419 |
| | | ORGANICS (roots, leaves) little black (5YR 2.5/1) SILT | | | | |
| | | No recovery | 0.2 | | | |
| 1 | | | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 614007

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542145

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.542

Boring difficulty: Easy

Top of sediment visibility: Clearly visible

Time boring completed: 1436

Time/sediment level (ft) before draining sleeve: 1455/1.80

Time/sediment level (ft) after draining sleeve: 1520/1.80



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BE19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BE19

Project Location: Fords, NJ

Date Completed: 5/16/19

Total Depth (ft bb): 1.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BE19-A-B-0-051619 |
| | | Black (5YR 2.5/1) SILT, some organics (roots), little CLAY | | 0 | | |
| | | Gray (5YR 5/1) CLAY, some fine SAND, soft | 0.95 | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND, well sorted, well compacted | | | | |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614008

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542174

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.90

Boring difficulty: Hard

Top of sediment visibility: Clearly visible

Time boring completed: 1122

Time/sediment level (ft) before draining sleeve: 1210/1.05

Time/sediment level (ft) after draining sleeve: 1215/1.05



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BE22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BE22

Project Location: Fords, NJ

Date Completed: 5/16/19

Total Depth (ft bb): 1.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BE22-A-B-0-051619 |
| | | Black (5YR 2.5/1) SILT and CLAY, very soft | | 0 | | |
| 1 | | Gray (5YR 5/1) CLAY, soft, trace fine SAND | 1.05 | 0 | | |
| | | Gray (5YR 5/1) fine SAND, little medium SAND, trace fine well rounded gravel | | 0 | | |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542174

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.92

Boring difficulty: Hard

Top of sediment visibility: Not visible

Time boring completed: 1133

Time/sediment level (ft) before draining sleeve: 1210/0.95

Time/sediment level (ft) after draining sleeve: 1240/0.96



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Log of Borehole: WP-PB-BH22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

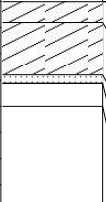
Borehole Completed As: WP-PB-BH22

Project Location: Fords, NJ

Date Completed: 5/16/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description <div>USCS</div> <div>Burmister</div> | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | 0.78 | 0 | 0 - 0.5 | WP-PB-BH22-A-B-0-051619 |
| | | Dark gray (5YR 4/1) CLAY, trace roots and SILT | | 0 | | |
| | | Gray (5YR 2.5/1) CLAY, little fine SAND, soft | | 0 | | |
| 1 | | Gray (5YR 5/1) fine and medium SAND, moderately sorted | | | | |
| 2 | | Refusal at 1.0 ft | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.49

Boring difficulty: Hard

Top of sediment visibility: Clearly visible

Time boring completed: 1409

Time/sediment level (ft) before draining sleeve: 1450/1.27

Time/sediment level (ft) after draining sleeve: 1500/1.22 - Some silt settlement



The Trusted Integrator for Sustainable Solutions

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Fax: (732) 417-5801

Log of Borehole: WP-PB-BH25

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH25

Project Location: Fords, NJ

Date Completed: 5/16/19

Total Depth (ft bb): 1.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | 1.06 | 0 | 0 - 0.5 | WP-PB-BH25-A-B-0-051619 |
| | | Gray (5YR 2.5/1) CLAY, very soft to soft, trace organics | | 0 | | |
| 1 | | Gray (5YR 2.5/1) CLAY, little fine SAND, trace fine well rounded GRAVEL | | 0 | | |
| | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613948

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.89

Boring difficulty: Hard

Top of sediment visibility: Clearly visible

Time boring completed: 1419

Time/sediment level (ft) before draining sleeve: 1450/0.94

Time/sediment level (ft) after draining sleeve: 1530/0.94



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BE18

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BE18

Project Location: Fords, NJ

Date Completed: 5/16/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BE18-C-D-0-051619 |
| | | Black (5YR 2.5/1) SILT and organics (roots), little CLAY | 0.7 | 0 | | |
| 1 | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614008

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542174

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.87

Boring difficulty: Easy

Top of sediment visibility: Barely visible

Time boring completed: 1109

Time/sediment level (ft) before draining sleeve: 1210/1.30

Time/sediment level (ft) after draining sleeve: 1400/1.30



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Log of Borehole: WP-SB-BH19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BH19

Project Location: Fords, NJ

Date Completed: 5/16/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BH19-C-D-0-051619 |
| | | Black (5YR 2.5/1) SILT, some organics (roots, leaves, etc) | 0.5 | 0 | | |
| | | No recovery | | | | |
| 1 | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614007

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.97

Boring difficulty: Easy

Top of sediment visibility: Clearly visible

Time boring completed: 1351

Time/sediment level (ft) before draining sleeve: 1450/1.50

Time/sediment level (ft) after draining sleeve: 1600/1.50



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Log of Borehole: WP-ST-BE18

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BE18

Project Location: Fords, NJ

Date Completed: 5/16/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BE18-C-D-0-051619 |
| | | Black (5YR 2.5/1) SILT, some CLAY, organics (roots) | 0.6 | 0 | | |
| | | No recovery | | | | |
| 1 | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614011

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542174

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.06

Boring difficulty: Easy

Top of sediment visibility: Barely visible

Time boring completed: 1112

Time/sediment level (ft) before draining sleeve: 1210/1.40

Time/sediment level (ft) after draining sleeve: 1325/1.40



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-BH19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation


Borehole Completed As: WP-ST-BH19

Project Location: Fords, NJ

Date Completed: 5/16/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | | 0 | 0 - 0.42 | WP-ST-BH19-A-B-0-051619 |
| | | Organics (leaves, roots, etc), little black (5YR 2.5/1) SILT | 0.42 | | | |
| | | No recovery | | | | |
| 1 | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614007

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.71

Boring difficulty: Easy

Top of sediment visibility: No water in sleeve

Time boring completed: 1358

Time/sediment level (ft) before draining sleeve: NA

Time/sediment level (ft) after draining sleeve: NA



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BH28

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH28

Project Location: Fords, NJ

Date Completed: 5/21/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BH28-A-B-0-052119 |
| | | Dark gray (Gley 1 4/N) CLAY, very soft | | 0 | | |
| 1 | | Gray (5YR 5/1) fine and medium SAND, little fine well rounded gravel | 1.03 | 0 | | |
| | | No recovery | | | | |
| 2 | | Refusal at 1.67 | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613918

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.920

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 1316

Time/sediment level (ft) before draining sleeve: 1355/0.89

Time/sediment level (ft) after draining sleeve: 1405/0.89



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BH31

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH31

Project Location: Fords, NJ

Date Completed: 5/21/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BH31-A-B-0-052119 |
| | | Black (5YR 2.5/1) CLAY and SILT, trace organics (roots) | | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND, little fine well rounded GRAVEL, moderate compaction | 1.67 | 0 | | |
| | | No recovery | | 0 | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613888

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.886

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 1305

Time/sediment level (ft) before draining sleeve: 1355/0.87

Time/sediment level (ft) after draining sleeve: 1430/0.87



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BH34

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH34

Project Location: Fords, NJ

Date Completed: 5/21/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BH34-K-L-0-052119 |
| | | Dark gray (Gley1 4/N) CLAY, some fine SAND | | 0 | | |
| 1 | | Gray (5YR 5/1) medium SAND, well sorted, poor compaction | 1.4 | 0 | 1 - 1.4 | WP-PB-BH34-C-D-0-052119 |
| | | Gray (5YR 5/1) fine SAND, little coarse SAND and fine well rounded GRAVEL, moderate compaction | | 0 | | |
| 2 | | No recovery Refusal at 1.83 | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613858

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.971

Boring difficulty: Hard

Top of sediment visibility: Not visible

Time boring completed: 1127

Time/sediment level (ft) before draining sleeve: 1155/NA

Time/sediment level (ft) after draining sleeve: NA



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Log of Borehole: WP-STC10N-BH19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC10N-BH19

Project Location: Fords, NJ

Date Completed: 5/21/19

Total Depth (ft bb): 3

Geologist/Logger: H. Bravo Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-----------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.15 | WP-STC10N-BH19-A-B-0-052119 |
| | | Very dark brown (10YR 2/2) SILT and organics (roots, stems, leaves) | | | | |
| | | No recovery | | | | |
| 1 | | | 0.15 | | | |
| 2 | | | | | | |
| 3 | | End of borehole | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614017

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.009

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 1340

Time/sediment level (ft) before draining sleeve: 1355/1.86

Time/sediment level (ft) after draining sleeve: 1440/1.86



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Log of Borehole: WP-PB-BH31-052319

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH31-052319

Project Location: Fords, NJ

Date Completed: 5/23/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | | WP-PBC-BH31-C-D-0-052319 |
| | | Black (5YR 2.5/1) CLAY and SILT, trace organics (roots) | | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND, little fine well rounded GRAVEL | 1.53 | 0 | 1 - 1.5 | |
| | | Gray (5YR 5/1) medium and coarse SAND, some fine to coarse well rounded GRAVEL | | 0 | | |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613888

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.849

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 1407

Time/sediment level (ft) before draining sleeve: 1425/0.28

Time/sediment level (ft) after draining sleeve: 1455/0.30



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BK25

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK25

Project Location: Fords, NJ

Date Completed: 5/23/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Black (5YR 2.5/1) SILT, little CLAY, trace organics (roots) | | 0 | 0 - 0.5 | WP-PB-BK25-A-B-0-052319 |
| | | Gray (5YR 5/1) CLAY, soft | | 0 | | |
| 1 | | Black (5YR 2.5/1) CLAY, some SILT and organics (roots) soft | 1.05 | 0 | | |
| | | Gray (5YR 5/1) CLAY, some fine SAND, soft | | | | |
| 2 | | No recovery | | | | |
| | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613948

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542234

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.05

Boring difficulty: Hard

Top of sediment visibility: Low

Time boring completed: 1545

Time/sediment level (ft) before draining sleeve: 1510/0.87

Time/sediment level (ft) after draining sleeve: NA



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BK28

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK28

Project Location: Fords, NJ

Date Completed: 5/23/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BK28-A-B-0-052319 |
| | | Black (5YR 2.5/1) SILT, little CLAY, trace organics (roots) | | 0 | | |
| | | Gray (5YR 5/1) CLAY, soft | | | | |
| 1 | | Gray (5YR 5/1) CLAY, some fine SAND, soft | 1.2 | 0 | 1 - 1.2 | WP-PBC-BK28-C-D-0-052319 |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613918

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542234

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.538

Boring difficulty: Hard

Top of sediment visibility: Not visible

Time boring completed: 1538

Time/sediment level (ft) before draining sleeve: NA

Time/sediment level (ft) after draining sleeve: NA



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Phone: (732) 417-5800
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Log of Borehole: WP-PB-BQ22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation





Borehole Completed As: WP-PB-BQ22

Project Location: Fords, NJ

Date Completed: 5/23/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|--|--------------------|------------------|----------------------------|---|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BQ22-D-E-0-052319 * Sample depth code adjusted |
| |  | Black (5YR 2.5/1) CLAY and SILT, some organics, very soft | | 0 | | |
| |  | Gray (5YR 5/1) CLAY, little fine SAND, soft | | | | |
| 1 |  | Gray (5YR 5/1) fine and medium SAND, moderately sorted and compacted | 0.7 | | | |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542294

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.234

Boring difficulty: Hard

Top of sediment visibility: Low

Time boring completed: 1354

Time/sediment level (ft) before draining sleeve: 1425/1.31

Time/sediment level (ft) after draining sleeve: 1510/1.31



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Fax: (732) 417-5801

Log of Borehole: WP-SB-BK20

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BK20

Project Location: Fords, NJ

Date Completed: 5/23/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BK20-C-D-0-052319 |
| | | Dark gray (Gley1 4/N) SILT, some CLAY, and organics (roots) | | 0 | | |
| | | Dark gray (Gley1 4/N) CLAY, little organics (roots) | 0.65 | | | |
| 1 | | No recovery End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613998

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542234

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.958

Boring difficulty: Easy

Top of sediment visibility: Very low

Time boring completed: 0951

Time/sediment level (ft) before draining sleeve: 1030/1.37

Time/sediment level (ft) after draining sleeve: 1055/1.37



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Fax: (732) 417-5801

Log of Borehole: WP-SB-BN21

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BN21

Project Location: Fords, NJ

Date Completed: 5/23/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BN21-E-F-0-052319 *Sample depth code adjusted |
| | | Black (5YR 2.5/1) CLAY and SILT, trace organics (roots) | | 0 | | |
| 1 | | No recovery | 0.5 | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613991

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.916

Boring difficulty: Easy

Top of sediment visibility: Very low

Time boring completed: 1323

Time/sediment level (ft) before draining sleeve: 1425/1.5

Time/sediment level (ft) after draining sleeve: 1435/1.5



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Log of Borehole: WP-SB-BQ21

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BQ21

Project Location: Fords, NJ

Date Completed: 5/23/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BQ21-F-G-0-052319 |
| | | Black (5YR 2.5/1) CLAY and SILT, little organics (roots), very soft | | 0 | | |
| | | Gray (5YR 5/1) CLAY, soft | | | | |
| 1 | | No recovery | 0.7 | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613983

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542294

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.581

Boring difficulty: Easy

Top of sediment visibility: Clearly visible

Time boring completed: 1338

Time/sediment level (ft) before draining sleeve: 1425/1.34

Time/sediment level (ft) after draining sleeve: 1707/1.34



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Log of Borehole: WP-ST-BK20

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BK20

Project Location: Fords, NJ

Date Completed: 5/23/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BK20-A-B-0-052319 |
| | | Black (5YR 2.5/1) CLAY, some SILT and organics (roots, leaves) | 0.65 | 0 | | |
| 1 | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613998

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542234

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.496

Boring difficulty: Easy

Top of sediment visibility: Very low

Time boring completed: 0956

Time/sediment level (ft) before draining sleeve: 1030/1.48

Time/sediment level (ft) after draining sleeve: 1035/1.48



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-BN21

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BN21

Project Location: Fords, NJ

Date Completed: 5/23/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | 0.7 | 0 | 0 - 0.5 | WP-ST-BN21-A-B-0-052319 |
| | | Very dark brown (10 YR 2/2) SILT, some organics (roots, leaves) | | 0 | | |
| 1 | | Black (5YR 2.5/1) SILT and CLAY, little organics (roots) | | | | |
| | | Gray (5YR 5/1) CLAY, soft, trace organics | | | | |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613991

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.520

Boring difficulty: Easy

Top of sediment visibility: Very low

Time boring completed: 1018

Time/sediment level (ft) before draining sleeve: 1030/1.27

Time/sediment level (ft) after draining sleeve: 1140/1.27



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-BQ21

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BQ21

Project Location: Fords, NJ

Date Completed: 5/23/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0.3 | 0 - 0.5 | WP-ST-BQ21-C-D-0-052319 |
| | | Black (5YR 2.5/1) SILT, some CLAY, and organics (roots) | | 1.6 | | |
| 1 | | Black (5YR 2.5/1) CLAY, some organics (roots), soft | 1 | 0 | | |
| | | Gray (5YR 5/1) CLAY, soft No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613983

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542294

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.059

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 1344

Time/sediment level (ft) before draining sleeve: 1425/1.03

Time/sediment level (ft) after draining sleeve: 1530/1.03



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Phone: (732) 417-5800
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Log of Borehole: WP-STC15N-BH19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation


Borehole Completed As: WP-STC15N-BH19

Project Location: Fords, NJ

Date Completed: 5/23/19

Total Depth (ft bb): 3.17

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|--|--------------------|------------------|----------------------------|-----------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | | 0 | 0 - 0.5 | WP-STC15N-BH19-A-B-0-052319 |
| | | Very dark brown (10YR 2/2) SILT and organics (roots, leaves) | | | | |
| 1 | | No recovery | 0.4 | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | End of borehole | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614022.2

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204.2

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.495

Boring difficulty: Easy

Top of sediment visibility: Good

Time boring completed: 0942

Time/sediment level (ft) before draining sleeve: 1030/1.61

Time/sediment level (ft) after draining sleeve: 1110/1.61



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BE34

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BE34

Project Location: Fords, NJ

Date Completed: 5/24/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Black (5YR 2.5/1) CLAY, little SILT, trace organics (roots), very soft | | 0 | 0 - 0.5 | WP-PB-BE34-A-B-0-052419 |
| | | Gray (5YR 5/1) CLAY, soft | | 0 | | |
| 1 | | Gray (5YR 5/1) CLAY, some fine SAND, soft | 1 | 0 | | |
| | | Gray (5YR 4/1) fine SAND, little medium SAND moderately sorted, trace coarse well rounded GRAVEL | | | | |
| 2 | | No recovery | | | | |
| | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.888

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 0921

Time/sediment level (ft) before draining sleeve: 0940/0.78

Time/sediment level (ft) after draining sleeve: 0955/0.78



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BK22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK22

Project Location: Fords, NJ

Date Completed: 5/24/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BK22-A-B-0-052419 |
| | | Black (5YR 2.5/1) CLAY, some SILT and organics (roots), very soft | | 0 | | |
| 1 | | Gray (5YR 5/1) CLAY, some fine SAND, soft | 1.20 | 0 | 1 - 1.2 | WP-PBC-BK22-C-D-0-052419 |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542234

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.522

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0908

Time/sediment level (ft) before draining sleeve: 0940/0.87

Time/sediment level (ft) after draining sleeve: 1055/0.87



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Log of Borehole: WP-PB-BN22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN22

Project Location: Fords, NJ

Date Completed: 5/24/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BN25-A-B-0-052419 |
| | | Black (5YR 2.5/1) CLAY, some silt and organics (roots), very soft | | 0 | | |
| | | Gray (5YR 5/1) CLAY, soft | | | | |
| 1 | | Black (5YR 2.5/1) CLAY, some organics (roots), little SILT No recovery | 0.85 | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.558

Boring difficulty: Moderate

Top of sediment visibility: Very low

Time boring completed: 0901

Time/sediment level (ft) before draining sleeve: 0940/1.09

Time/sediment level (ft) after draining sleeve: 1015/NA - not visible



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BN25

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN25

Project Location: Fords, NJ

Date Completed: 5/24/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BN25-A-B-0-052419 |
| | | Black (5YR 2.5/1) CLAY, some SILT and organics (roots), very soft | | 0 | | |
| | | Gray (5YR 5/1) CLAY, soft | | | | |
| 1 | | Gray (5YR 5/1) fine and medium SAND, moderately sorted | 1.10 | 0 | 1 - 1.10 | WP-PBC-BN25-C-D-0-052419 |
| | | Gray (5YR 5/1) CLAY, some fine SAND, soft | | | | |
| 2 | | No recovery | | | | |
| | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613948

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.880

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 0855

Time/sediment level (ft) before draining sleeve: 0940/0.93

Time/sediment level (ft) after draining sleeve: 1035/0.93



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BQ25

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BQ25

Project Location: Fords, NJ

Date Completed: 5/24/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BQ25-A-B-0-052419 |
| | | Gray (5YR 5/1) CLAY, soft | | 0 | | |
| | | Black (5YR 2.5/1) CLAY and SILT, some organics (roots) | | | | |
| 1 | | Very dark gray (Gley 1 3/N) fine and medium SAND, moderately sorted, poor compaction | 0.7 | | | |
| | | No recovery | | | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613948

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542294

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.542

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 0841

Time/sediment level (ft) before draining sleeve: 0910/1.33

Time/sediment level (ft) after draining sleeve: 0915/1.33



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BQ28

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BQ28

Project Location: Fords, NJ

Date Completed: 5/24/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Gray (5YR 5/1) CLAY, some fine SAND, soft | | 0 | 0 - 0.5 | WP-PB-BQ28-A-B-0-052419 |
| | | Gray (5YR 4/1) fine and medium SAND, little fine and coarse well rounded GRAVEL | | 0 | | |
| 1 | | No recovery | 1.1 | 0 | | |
| 2 | | End of borehole | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613918

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542294

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.914

Boring difficulty: Very hard

Top of sediment visibility: Very low

Time boring completed: 0824

Time/sediment level (ft) before draining sleeve: 0910/0.80

Time/sediment level (ft) after draining sleeve: 0940/NA - not visible



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Log of Borehole: WP-SB-AW43

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-AW43

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-AW43-I-J-0-052919 |
| | | Black (5YR 2.5/1) CLAY, little to trace SILT, soft | | 0 | | |
| | | Very dark grayish brown (10YR 3/2) CLAY, little fine SAND | 0.7 | | | |
| 1 | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613768

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542093

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.538

Boring difficulty: Easy

Top of sediment visibility: No water

Time boring completed: 1349

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Log of Borehole: WP-SB-AW46

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-AW46

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-AW46-I-J-0-052919 |
| | | Dark gray (5YR 4/1) Fine SAND, little medium SAND, moderately sorted | 0.4 | | | |
| | | No recovery | | | | |
| 1 | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613738

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542090

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.766

Boring difficulty: Easy

Top of sediment visibility: Very low

Time boring completed: 1405

Time/sediment level (ft) before draining sleeve: 1310/1.60

Time/sediment level (ft) after draining sleeve: 1315/1.60



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Log of Borehole: WP-BS-BR22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-BS-BR22

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BR22-A-B-0-052919 |
| | | Black (5YR 2.5/1) CLAY and SILT, organics (roots) | | 0 | | |
| | | Gray (5YR 5/1) CLAY, soft | 0.85 | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND, little medium SAND, moderately sorted | | | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542307

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.605

Boring difficulty: Moderate

Top of sediment visibility: Clearly visible

Time boring completed: 0846

Time/sediment level (ft) before draining sleeve: 1030/1.21

Time/sediment level (ft) after draining sleeve: 1145/1.21



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Log of Borehole: WP-SB-BS25

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BS25

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BS25-G-H-0-052919 |
| | | Gray (5YR 5/1) CLAY and SILT, little fine SAND, trace organics | 0.6 | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND, little medium SAND, moderately sorted | | | | |
| | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613948

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542315

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.190

Boring difficulty: Moderate

Top of sediment visibility: Clearly visible

Time boring completed: 0905

Time/sediment level (ft) before draining sleeve: 1030/1.46

Time/sediment level (ft) after draining sleeve: 1040/1.46



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Log of Borehole: WP-BS-BS28

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-BS-BS28

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BS28-I-J-0-052919 |
| | | Gray (5YR 5/1) Medium SAND, little fine SAND, moderately sorted | | 0 | | |
| 1 | | Very dark gray (10YR 3/1) CLAY, little organic matter, trace fine SAND, soft | 0.5 | | | |
| | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613918

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542321

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.970

Boring difficulty: Hard

Top of sediment visibility: Clearly visible

Time boring completed: 0911

Time/sediment level (ft) before draining sleeve: 1030/1.57

Time/sediment level (ft) after draining sleeve: 1110/1.57



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Log of Borehole: WP-ST-AW43

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-AW43

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|------------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-AW43-H-I-0-052919 |
| | | Black (5YR 2.5/1) CLAY and SILT, some organics (roots) | 0.55 | 0 | | |
| | | No recovery | | | | |
| 1 | | End of boring | | | | Sulphur like odor throughout |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613768

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542093

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.882

Boring difficulty: Easy

Top of sediment visibility: Low

Time boring completed: 1354

Time/sediment level (ft) before draining sleeve: 1410/1.22

Time/sediment level (ft) after draining sleeve: 1430/1.30



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Log of Borehole: WP-ST-AW46

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-AW46

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-AW46-E-F-0-052919 |
| | | Black (5YR 2.5/1) and very dark brown (10YR 2/2) CLAY and SILT, some organics (roots) | 0.5 | 0 | | |
| 1 | | No recovery | | | | |
| | | End of borehole | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613738

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542090

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.031

Boring difficulty: Easy

Top of sediment visibility: Low

Time boring completed: 1411

Time/sediment level (ft) before draining sleeve: 1510/1.36

Time/sediment level (ft) after draining sleeve: 1530/1.36



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Log of Borehole: WP-ST-BR22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BR22

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BR22-A-B-0-052919 |
| | | Very dark brown (10YR 2/2) SILT and organics (roots, leaves) | | 0 | | |
| | | Brown (10YR 4/3) SILT, little organics | 0.55 | | | |
| 1 | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542307

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.951

Boring difficulty: Hard

Top of sediment visibility: No water

Time boring completed: 0851

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Log of Borehole: WP-ST-BS25

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BS25

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BS25-A-B-0-052919 |
| | | Very dark brown (10YR 2/2) SILT, little fine SAND, organics throughout | 0.7 | 0 | | |
| 1 | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613948

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542315

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.574

Boring difficulty: Hard

Top of sediment visibility: No water

Time boring completed: 1340

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Log of Borehole: WP-ST-BS28

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BS28

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BS28-D-E-0-052919 |
| | | Black (5YR 2.5/1) SILT, some organics (roots) | 1 | 0 | | |
| 1 | | Gray (5YR 5/1) CLAY, little fine SAND, very soft | | | | |
| | | Gray (5YR 5/1) fine and medium SAND, moderately sorted | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613948

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542315

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.120

Boring difficulty: Easy

Top of sediment visibility: Low

Time boring completed: 0917

Time/sediment level (ft) before draining sleeve: 1030/1.06

Time/sediment level (ft) after draining sleeve: 1120/1.06



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BH14

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BH14

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | | WP-STC-BH14-C-D-0-053019 |
| | | Very dark brown (10YR 2/2) CLAY, some organic matter, little SILT and fine SAND | | 0 | | |
| 1 | | | | 0 | 1 - 1.33 | |
| | | No recovery | 1.33 | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | End of boring | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614058.8

Drilling Method: Slide hammer with core barrel and shovel

Easting (NAD 83): 542203.9

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.674

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 1549

Time/sediment level (ft) before draining sleeve: 1300/1.44

Time/sediment level (ft) after draining sleeve: 1310/1.44



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Log of Borehole: WP-STC-BH14-A-B

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BH14-A-B

Project Location: Fords, NJ

Date Completed: 5/30/19

Total Depth (ft bb): 0.67

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BH14-A-B-0-053019 |
| | | Very dark brown (10YR 2/2) CLAY, some organics, little SILT and fine SAND | 0.67 | 0 | | |
| 1 | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Weston

Northing (NAD 83): 0

Drilling Method: Hand Auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.674

Boring difficulty: Easy

Top of sediment visibility: NA

Time boring completed: 1140

Time/sediment level (ft) before draining sleeve: NA

Time/sediment level (ft) after draining sleeve: NA



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Log of Borehole: WP-STC-BK15

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BK15

Project Location: Fords, NJ

Date Completed: 5/30/19

Total Depth (ft bb): 0.67

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (5YR 4/1) CLAY, some fine and medium SAND, some organics | 0.67 | 0 0 | 0 - 0.5 | WP-STC-BK15-A-B-0-053019 |
| 1 | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614048.4

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542233.7

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.649

Boring difficulty: Easy

Top of sediment visibility: No water

Time boring completed: 1120

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Log of Borehole: WP-STC-BQ16-A-B-053019

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BQ16-A-B-053019

Project Location: Fords, NJ

Date Completed: 5/30/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BQ16-A-B-0-053019 |
| | | Black (2YR 2.5/1) SILT and organics, little fine SAND | 1.0 | 0 | | |
| 1 | | Gray (5YR 5/1) Fine SAND, little CLAY | | 0 | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614033.7

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542296.6

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.950

Boring difficulty: Easy

Top of sediment visibility: No water

Time boring completed: 1045

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Log of Borehole: WP-PB-AY43

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-AY43

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 2.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-AY43-I-J-0-053119 |
| | | Black (5YR 2.5/1) CLAY and SILT, very soft | | 0 | | |
| 1 | | Grayish brown (10YR 5/2) fine SAND, well sorted and compacted, little fine well rounded GRAVEL in bottom 0.2' | 1.3 | 0 | 1 - 1.3 | WP-PBC-AY43-C-D-0-053119 |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613768

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.874

Boring difficulty: Hard

Top of sediment visibility: Low

Time boring completed: 1201

Time/sediment level (ft) before draining sleeve: 1330/0.57

Time/sediment level (ft) after draining sleeve: 1450/0.57



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Log of Borehole: WP-PB-AY46

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-AY46

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 1.83 (Refusal)

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-AY46-I-J-0-053119 |
| | | Dark gray (5YR 4/1) fine SAND, trace medium SAND, well sorted, dense/well compacted | | 0 | | |
| 1 | | | 1.83 | 0 | 1 - 1.5 | WP-PBC-AY46-C-D-0-053119 |
| | | No recovery | | 0 | | |
| 2 | | End of boring Refusal at 1.83 | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613738

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.935

Boring difficulty: Very hard

Top of sediment visibility: Very low

Time boring completed: 1026

Time/sediment level (ft) before draining sleeve: 1125/0.56

Time/sediment level (ft) after draining sleeve: 1130/0.56



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Log of Borehole: WP-PB-BH37

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH37

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 1.83 (Refusal)

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BH37-K-L-0-053119 |
| | | Black (5YR 2.5/1) CLAY and SILT, very soft | | 0 | | |
| | | Gray (5YR 5/1) CLAY, soft | | 0 | | |
| | | Gray (5YR 5/1) CLAY, some fine SAND | | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND, little medium SAND and fine well rounded GRAVEL, well compacted | 1.83 | 0 | 1 - 1.5 | WP-PBC-BH37-C-D-0-053119 |
| | | No recovery | | 0 | | |
| 2 | | End of boring Refusal at 1.83 | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613828

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.954

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 1219

Time/sediment level (ft) before draining sleeve: 1330/0.39

Time/sediment level (ft) after draining sleeve: 1405/0.43



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Log of Borehole: WP-PB-BK31

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK31

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 1.8 (Refusal)

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BK31-A-B-0-053119 |
| | | Gray (5YR 5/1) fine SAND, little medium SAND | | 0 | | |
| 1 | | Gray (5YR 5/1) medium SAND, little well rounded fine and coarse GRAVEL, well compacted No recovery | 1.0 | | | |
| 2 | | End of boring Refusal at 1.80 | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613888

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542234

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.520

Boring difficulty: Very hard

Top of sediment visibility: Low

Time boring completed: 0903

Time/sediment level (ft) before draining sleeve: 0945/1.0

Time/sediment level (ft) after draining sleeve: 1010/1.0



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Log of Borehole: WP-PB-BN28

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN28

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 1.90 (Refusal)

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BN28-A-B-0-053119 |
| | | Gray (5YR 5/1) CLAY, some fine SAND, soft | | 0 | | |
| 1 | | Gray (5YR 5/1) Medium SAND, little well rounded coarse and fine GRAVEL, well compacted No recovery | 0.85 | | | |
| 2 | | End of boring Refusal at 1.90 | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613918

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.572

Boring difficulty: Very hard

Top of sediment visibility: Very low

Time boring completed: 0855

Time/sediment level (ft) before draining sleeve: 0945/1.06

Time/sediment level (ft) after draining sleeve: 0955/1.06



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
Edison, NJ 08837
Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-AW48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-AW48

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-AW48-I-J-0-053119 |
| | | Very dark grayish brown (10YR 3/2) fine SAND, well sorted, moderate compaction | 0.5 | 0 | | |
| | | No recovery | | | | |
| 1 | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613883

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.990

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 1004

Time/sediment level (ft) before draining sleeve: 1130/1.47

Time/sediment level (ft) after draining sleeve: 1210/1.47



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-AY42

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-AY42

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-AY42-I-J-0-053119 |
| | | Very dark brown (10YR 2/2) and black (5YR 2.5/1) SILT and organics | 0.5 | 0 | | |
| | | Gray (5YR 5/1) CLAY, soft | | | | |
| 1 | | No recovery | | | | |
| | | End of boring | | | | Sulphur-like smell throughout |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613775

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.874

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 1150

Time/sediment level (ft) before draining sleeve: 1330/1.25

Time/sediment level (ft) after draining sleeve: 1420/1.35



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-AY48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-AY48

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-AY48-K-L-0-053119 |
| 1 | | Dark grayish brown (10YR 4/2) to very dark grayish brown (10YR 4/3) fine SAND, little medium SAND, moderately sorted, well compacted | 0.65 | 0 | | |
| | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613715

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.222

Boring difficulty: Very hard

Top of sediment visibility: Clear

Time boring completed: 1017

Time/sediment level (ft) before draining sleeve: 1130/1.36

Time/sediment level (ft) after draining sleeve: 1340/1.36



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205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-AW48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-AW48

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-AW48-D-E-0-053119 |
| | | Very dark gray brown (10YR 3/2)CLAY and SILT, some organics | 0.75 | 0 | | |
| | | Very dark gray brown (10YR 3/2) fine SAND, well sorted, little SILT | | | | |
| 1 | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613715

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542088

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.465

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 1010

Time/sediment level (ft) before draining sleeve: 1130/1.28

Time/sediment level (ft) after draining sleeve: 1155/1.28



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-AY42

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-AY42

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|---|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 83 | 0 - 0.5 | WP-ST-AY42-H-I-0-053119 |
| 1 | | Very dark brown (10YR 2/2) SILT, little CLAY in bottom 0.1', very slight natural/organic-looking sheen observed; some organics present throughout | 0.5 | 0 | | |
| | | No recovery | | | | Very slight natural/organic-looking sheen observed in core water. |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613775

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.799

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 1156

Time/sediment level (ft) before draining sleeve: 1330/1.57

Time/sediment level (ft) after draining sleeve: 1440/1.57



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Phone: (732) 417-5800
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Log of Borehole: WP-ST-AY48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-AY48

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-AY48-D-E-0-053119 |
| | | Black (5YR 2.5/1) and very dark brown (10YR 2/2) CLAY and SILT, some organics | 0.8 | 0 | | |
| 1 | | Dark grayish brown (10YR 4/2) fine SAND, some SILT, well sorted | | | | |
| | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613715

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542114

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.430

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 1022

Time/sediment level (ft) before draining sleeve: 1130/1.17

Time/sediment level (ft) after draining sleeve: 1355/1.19



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BB14

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BB14

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 2.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BB14-A-B-0-053119 |
| | | Very dark brown (10YR 2/2) CLAY, some organics, little SILT, very soft | | 0 | | |
| 1 | | Very dark brown (10YR 2/2) CLAY, some organics, soft No recovery | 0.7 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614060.2

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542144.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.573

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 0830

Time/sediment level (ft) before draining sleeve: 0945/1.27

Time/sediment level (ft) after draining sleeve: 1105/1.27



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BE14

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BE14

Project Location: Fords, NJ

Date Completed: 5/31/19

Total Depth (ft bb): 2.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|---|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | 1.42 | 0 | 0 - 0.5 | WP-STC-BE14-A-B-0-053119 |
| | | Very dark brown (10YR 2/2) CLAY, some organics, little SILT, very soft | | 0 | | |
| 1 | | Very dark brown (10 YR 2/2) CLAY, little organics, soft | | 0 | 1 - 1.42 | WP-STC-BE14-C-D-0-053119 |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | 0 - 0.67' interval recovered with hand auger |
| 4 | | | | | | 0.67 - 1.42' interval recovered with slide hammer |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614062.3

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542173.5

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.245

Boring difficulty: Easy

Top of sediment visibility: Very low

Time boring completed: 0825

Time/sediment level (ft) before draining sleeve: 0945/1.02

Time/sediment level (ft) after draining sleeve: 1050/1.02



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BB43

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BB43

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 1.67 (Refusal)

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BB43-M-N-0-060419 |
| | | Gray (5YR 5/1) fine SAND, trace medium SAND, well graded, well compacted | | 0 | | |
| 1 | | | 1.15 | 0 | 1 - 1.15 | WP-PBC-BB43-C-D-0-060419 |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613767

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542143

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 7.544

Boring difficulty: Very hard

Top of sediment visibility: Very low

Time boring completed: 0926

Time/sediment level (ft) before draining sleeve: 1010/0.8

Time/sediment level (ft) after draining sleeve: 1110/0.8



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BE40

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BE40

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 2.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Gray (5YR 5/1) CLAY, soft | | 0 | 0 - 0.5 | WP-PB-BE40-K-L-0-060419 |
| | | Gray (5YR 5/1) fine SAND, well sorted and compacted, trace medium SAND and fine well rounded gravel | | 0 | | |
| 1 | | | 1.2 | 0 | 1 - 1.2 | WP-PBC-BE40-C-D-0-060419 |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613798

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542174

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.515

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 1142

Time/sediment level (ft) before draining sleeve: 1200/0.55

Time/sediment level (ft) after draining sleeve: 1205/0.55



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Log of Borehole: WP-PB-BE43

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BE43

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 2.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Hard (5YR 5/1) CLAY, soft | | 0 | 0 - 0.5 | WP-PB-BE43-A-B-0-060419 |
| | | Gray (5YR 5/1) fine SAND, well sorted and compacted, trace medium SAND and fine well rounded GRAVEL | | 0 | | |
| 1 | | No recovery | 1 | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613769

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542174

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.833

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 1132

Time/sediment level (ft) before draining sleeve: 1200/0.61

Time/sediment level (ft) after draining sleeve: 1230/0.66



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BE46

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BE46

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 2.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark grayish brown (10YR 4/2) fine SAND, little medium SAND, moderately sorted | | 0 - 0.5 | | WP-PB-BE46-K-L-0-060419 |
| 1 | | Dark grayish brown (10YR 4/2) fine SAND, well sorted and compacted | 1.55 | 1 - 1.5 | | WP-PBC-BE46-C-D-0-060419 |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613737

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542174

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.672

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 1128

Time/sediment level (ft) before draining sleeve: 1200/0.42

Time/sediment level (ft) after draining sleeve: 1300/0.42



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
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Log of Borehole: WP-PB-BH40

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH40

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BH40-K-L-0-060419 |
| | | Gray (5YR 5/1) fine SAND well sorted, some CLAY | | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND, little medium SAND moderately sorted and well rounded fine and coarse GRAVEL | 1 | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542174

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613798

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.863

Boring difficulty: Hard

Top of sediment visibility: Low

Time boring completed: 1337

Time/sediment level (ft) before draining sleeve: 1400/0.89

Time/sediment level (ft) after draining sleeve: 1405/0.89



The Trusted Integrator for Sustainable Solutions

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Fax: (732) 417-5801

Log of Borehole: WP-PB-BH43

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH43

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BH43-K-L-0-060419 |
| | | Black (5YR 2.5/1) CLAY and SILT, little fine SAND | | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND well sorted, some CLAY | 1.2 | 0 | 1 - 1.2 | WP-PBC-BH43-C-D-0-060419 |
| | | Gray (5YR 5/1) fine SAND, little medium SAND and fine well rounded GRAVEL | | | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542203

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613768

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.856

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 1328

Time/sediment level (ft) before draining sleeve: 1400/0.39

Time/sediment level (ft) after draining sleeve: 1415/0.42



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
Edison, NJ 08837
Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BH46

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH46

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BH46-K-L-0-060419 |
| | | Black (5YR 2.5/1) CLAY and SILT, little fine SAND | | 0 | | |
| 1 | | Dark grayish brown (10YR 4/2) fine SAND, well sorted and compacted No recovery | 1 | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542204

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613737

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.771

Boring difficulty: Hard

Top of sediment visibility: Low

Time boring completed: 1320

Time/sediment level (ft) before draining sleeve: 1400/0.81

Time/sediment level (ft) after draining sleeve: 1435/0.82



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BB48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BB48

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 0.67 (Refusal)

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BB48-K-L-0-060419 |
| | | Gray (5YR 5/1) and grayish brown (10YR 5/2) fine SAND, some medium SAND, moderately sorted | 0.67 | 0 | | |
| 1 | | End of boring Refusal at 0.67' | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613715

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542144

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.941

Boring difficulty: Very hard

Top of sediment visibility: Clear

Time boring completed: 0849

Time/sediment level (ft) before draining sleeve: 1005/1.38

Time/sediment level (ft) after draining sleeve: 1040/1.38



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Fax: (732) 417-5801

Log of Borehole: WP-SB-BE48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BE48

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 2.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-----------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Black (5YR 2.5/1) SILT, little fine SAND | | 0 | 0 - 0.5 | WP-SB-BE48-K-L-060419 |
| | | Dark grayish brown (10YR 4/2) fine SAND, trace medium SAND, well sorted | | 0 | | |
| 1 | | No recovery | 0.8 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613715

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542174

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.199

Boring difficulty: Very hard

Top of sediment visibility: Very low

Time boring completed: 0912

Time/sediment level (ft) before draining sleeve: 1005/0.84 (very low visibility)

Time/sediment level (ft) after draining sleeve: 1011/1.22



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BH48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BH48

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 2.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BH48-K-L-0-060419 |
| | | Dark grayish brown (10YR 4/2) fine SAND, trace medium SAND, well sorted | | 0 | | |
| 1 | | No recovery | 0.90 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613714

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.954

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 1101

Time/sediment level (ft) before draining sleeve: 1200/1.05

Time/sediment level (ft) after draining sleeve: 1325/1.05



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Fax: (732) 417-5801

Log of Borehole: WP-ST-BB48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BB48

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 2.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BB48-E-F-0-060419 |
| | | Black (5YR 2.5/1) SILT, little CLAY and organics | | 0 | | |
| 1 | | Gray (5YR 5/1) fine and medium SAND, moderately sorted | 1 | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613709

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542143

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.391

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 0854

Time/sediment level (ft) before draining sleeve: 1010/1.0

Time/sediment level (ft) after draining sleeve: 1055/1.0



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Fax: (732) 417-5801

Log of Borehole: WP-ST-BE48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BE48

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-----------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Black (5YR 2.5/1) SILT and CLAY, trace fine SAND, little organics | | 0 | 0 - 0.5 | WP-ST-BE48-F-G-060419 |
| | | Dark grayish brown (10YR4/2) fine SAND, trace medium SAND, well sorted | | 0 | | |
| 1 | | No recovery | 0.95 | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613710

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542174

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.230

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 0917

Time/sediment level (ft) before draining sleeve: 1005/0.97

Time/sediment level (ft) after draining sleeve: 1025/0.97



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Fax: (732) 417-5801

Log of Borehole: WP-ST-BH48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BH48

Project Location: Fords, NJ

Date Completed: 6/4/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BH48-H-I-0-060419 |
| | | Black (5YR 2.5/1) SILT, little CLAY, fine SAND and organic matter | | 0 | | |
| 1 | | Dark grayish brown (10YR 4/2) fine SAND, trace medium SAND, well sorted No recovery | 0.7 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542204

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613710

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.544

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 1107

Time/sediment level (ft) before draining sleeve: 1200/1.03

Time/sediment level (ft) after draining sleeve: 1340/1.05



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BK40

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK40

Project Location: Fords, NJ

Date Completed: 6/6/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BK40-K-L-0-060619 |
| | | Gray (5YR 5/1) fine SAND well sorted, some CLAY | | 0 | | |
| | | Gray (5YR 5/1) fine SAND, well sorted | | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND, little medium SAND and well rounded fine and coarse GRAVEL | 1 | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542234

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613798

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.857

Boring difficulty: Very hard

Top of sediment visibility: Not visible

Time boring completed: 1143

Time/sediment level (ft) before draining sleeve: Not visible

Time/sediment level (ft) after draining sleeve: Not visible



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BK43

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK43

Project Location: Fords, NJ

Date Completed: 6/6/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BK43-K-L-0-060619 |
| | | Black (5YR 2.5/1) CLAY and SILT, trace organics | | 0 | | |
| | | Gray (5YR 5/1) CLAY, soft | | | | |
| 1 | | Gray (5YR 5/1) fine SAND, well sorted and compacted | 1.3 | 0 | 1 - 1.3 | WP-PBC-BK43-C-D-0-060619 |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542233

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613768

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.703

Boring difficulty: Hard

Top of sediment visibility: Not visible

Time boring completed: 1132

Time/sediment level (ft) before draining sleeve: Not visible

Time/sediment level (ft) after draining sleeve: Not visible



The Trusted Integrator for Sustainable Solutions

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Fax: (732) 417-5801

Log of Borehole: WP-PB-BL46

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BL46

Project Location: Fords, NJ

Date Completed: 6/6/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BL46-M-N-0-060619 |
| | | Grayish brown (10YR 5/2) fine SAND well sorted, some CLAY | | 0 | | |
| 1 | | Grayish brown (10YR 5/2) fine SAND, little medium SAND and fine well rounded GRAVEL | 1 | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542248

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613737

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 7.610

Boring difficulty: Very hard

Top of sediment visibility: Clear

Time boring completed: 1122

Time/sediment level (ft) before draining sleeve: 1200/1.05

Time/sediment level (ft) after draining sleeve: 1300/1.05



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PBC-BN22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PBC-BN22

Project Location: Fords, NJ

Date Completed: 6/6/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | | WP-PBC-BN22-C-D-0-060619 |
| | | Black (5YR 2.5/1) CLAY, some SILT and organics, very soft | | 0 | | |
| 1 | | White (Gley 1 8/N) Well rounded fine and coarse GRAVEL, little gray (5YR 5/1) fine SAND | 1.5 | 0 | 1 - 1.5 | |
| | | Gray (5YR 5/1) fine SAND, little medium SAND, well sorted and compact | | 0 | | |
| 2 | | No recovery End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 542266

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613975

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.516

Boring difficulty: Very hard

Top of sediment visibility: Very low

Time boring completed: 1546

Time/sediment level (ft) before draining sleeve: 1600/0.5

Time/sediment level (ft) after draining sleeve: 1610/0.5



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PBC-BN28

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PBC-BN28

Project Location: Fords, NJ

Date Completed: 6/6/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | | WP-PBC-BN28-C-D-0-060619 |
| | | Gray (5YR 5/1) CLAY, soft, some fine SAND | | 0 | | |
| 1 | | Gray (5YR 5/1) medium SAND, some fine SAND, little well rounded fine GRAVEL | 1.3 | 0 | 1 - 1.3 | |
| | | No recovery | | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542264

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613917

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.524

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 1328

Time/sediment level (ft) before draining sleeve: 1415/0.7

Time/sediment level (ft) after draining sleeve: 1440/0.7



The Trusted Integrator for Sustainable Solutions

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Log of Borehole: WP-SB-BK48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BK48

Project Location: Fords, NJ

Date Completed: 6/6/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BK48-K-L-0-060619 |
| | | Black (5YR 2.5/1) CLAY and SILT, little organics (roots) | 0.6 | 0 | | |
| 1 | | Dark gray (5YR 4/1) fine SAND, little medium SAND | | | | |
| | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542234

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613714

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.622

Boring difficulty: Easy

Top of sediment visibility: Very clear

Time boring completed: 1109

Time/sediment level (ft) before draining sleeve: 1200/1.4

Time/sediment level (ft) after draining sleeve: 1330/1.4



The Trusted Integrator for Sustainable Solutions

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Log of Borehole: WP-ST-BK48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BK48

Project Location: Fords, NJ

Date Completed: 6/6/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BK48-J-K-0-060619 |
| | | Black (5YR 2.5/1) and very dark brown (10YR 2/2) CLAY and SILT, some organics | | 0 | | |
| 1 | | Dark gray (5YR 4/1) fine and medium SAND, moderately sorted No recovery | 0.9 | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542233

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613709

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.006

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 1114

Time/sediment level (ft) before draining sleeve: 1200/1.1

Time/sediment level (ft) after draining sleeve: 1405/1.1



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
Edison, NJ 08837
Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-AY42

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-AY42

Project Location: Fords, NJ

Date Completed: 6/6/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.45 | WP-STC-AY42-H-I-0-060619 |
| | | Very dark brown (10YR 2/2) SILT, little CLAY, some organics | 0.45 | 0 | | |
| | | No recovery | | | | |
| 1 | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542101

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613788

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.342

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 1309

Time/sediment level (ft) before draining sleeve: 1415/1.55

Time/sediment level (ft) after draining sleeve: 1505/1.55



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BH13

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BH13

Project Location: Fords, NJ

Date Completed: 6/6/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BH13-A-B-0-060619 |
| | | Very dark brown (10YR 2/2) CLAY, some SILT and organics, very soft | | 0 | | |
| 1 | | Gray (5YR 5/1) CLAY, soft | 1 | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542264

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 614068

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.0

Boring difficulty: Easy

Top of sediment visibility: N/A - no water

Time boring completed: 1515

Time/sediment level (ft) before draining sleeve: N/A - no water

Time/sediment level (ft) after draining sleeve: N/A - no water



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BH14-060619

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BH14-060619

Project Location: Fords, NJ

Date Completed: 6/6/19

Total Depth (ft bb): 5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|---|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface Not sampled/recorded | | | | |
| 1 | | | | | | |
| 2 | | Very dark gray (5YR 3/1) CLAY, some organics, little SILT and fine to medium SAND | 1.4 | 0 | | |
| 3 | | Gray (5YR 6/1) CLAY, some fine SAND, soft | | 0 | 3 - 3.4 | WP-STC-BH14-G-H-0-060619 |
| 4 | | Gray (5YR 5/1) fine SAND, well sorted and compacted, little medium SAND, trace well rounded fine GRAVEL No recovery | | 0 | | |
| 5 | | End of boring | | | | Boring completed in same hole done on 5/29. Bottom of hole approximately 2.0 ft |
| 6 | | | | | | Boring performed with 4.0 ft core barrel |
| 7 | | | | | | 2.0 - 2.8' looked like caved in material |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.674

Boring difficulty: Hard near bottom

Top of sediment visibility: N/A - no water

Time boring completed: 1535

Time/sediment level (ft) before draining sleeve: N/A - no water

Time/sediment level (ft) after draining sleeve: N/A - no water



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BK14

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BK14

Project Location: Fords, NJ

Date Completed: 6/6/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BK14-A-B-0-060619 |
| | | Very dark brown (10YR 2/2) SILT and CLAY, some organics | | 0 | | |
| 1 | | Dark gray (5YR 4/1) and grayish brown (10YR 5/2) CLAY and SAND No recovery | 0.75 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542233

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 614058

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.330

Boring difficulty: Easy

Top of sediment visibility: N/A - no water

Time boring completed: 1507

Time/sediment level (ft) before draining sleeve: N/A - no water

Time/sediment level (ft) after draining sleeve: N/A - no water



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BN14

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BN14

Project Location: Fords, NJ

Date Completed: 6/6/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BN14-A-B-0-060619 |
| | | Very dark brown (10YR 2/2) CLAY, some organics and SILT, very soft | | 0 | | |
| 1 | | Dark gray (5YR 4/1) CLAY and fine SA ND, little medium SAND, soft | 1.35 | 0 | 1 - 1.35 | WP-STC-BN14-C-D-0-060619 |
| | | No recovery | | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542263

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 614051

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.27

Boring difficulty: Easy

Top of sediment visibility: N/A - no water

Time boring completed: 1503

Time/sediment level (ft) before draining sleeve: N/A - no water

Time/sediment level (ft) after draining sleeve: N/A - no water



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Edison, NJ 08837
Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BH17

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BH17

Project Location: Fords, NJ

Date Completed: 6/7/19

Total Depth (ft bb): 4

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Removed with hand auger | | | | |
| 1 | | | | | | |
| 2 | | | 1.7 | 0 | | |
| | | Very dark gray (5YR 3/1) CLAY, little SILT and organics, very soft | | 0 | 2.5 - 3.0 | WP-STC-BH17-F-G-0-060719 |
| | | Gray (5YR 5/1) CLAY, soft | | 0 | | |
| 3 | | Gray (5YR 6/1) CLAY, some fine SAND | | 0 | | |
| | | Gray (5YR 6/1) fine SAND, little medium SAND, moderately sorted, trace fine well rounded GRAVEL | | 0 | 3.5 - 3.7 | WP-STC-BH17-H-I-0-060719 |
| 4 | | No recovery | | | | |
| | | End of boring | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.495

Boring difficulty: Hard near bottom

Top of sediment visibility: Clear

Time boring completed: 1025

Time/sediment level (ft) before draining sleeve: 1105/2.30

Time/sediment level (ft) after draining sleeve: 1110/2.30



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BK15-060719

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BK15-060719

Project Location: Fords, NJ

Date Completed: 6/7/19

Total Depth (ft bb): 4

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Removed with hand auger | | | | |
| 1 | | | | | | |
| 2 | | Dark gray (5YR 4/1) to very dark (5YR 3/1) CLAY, little SILT and organics, very soft | 1.2 | 0 | 2.5 - 3.0 | WP-STC-BK15-F-G-0-060719 |
| | | Gray (5YR 6/1) CLAY, soft | | 0 | | |
| 3 | | Gray (5YR 6/1) CLAY, some fine SAND, soft | | 0 | | |
| | | No recovery | | | | - 4ft core barrel used |
| 4 | | End of boring | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.648

Boring difficulty: Hard near bottom

Top of sediment visibility: Low

Time boring completed: 1130

Time/sediment level (ft) before draining sleeve: 1200/2.80

Time/sediment level (ft) after draining sleeve: 1205/2.80



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BK18

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BK18

Project Location: Fords, NJ

Date Completed: 6/7/19

Total Depth (ft bb): 5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Removed with hand auger | | | | |
| 1 | | | | | | |
| 2 | | Very dark gray (5YR 3/1) CLAY, little SILT and organics, very soft | 1 | 0 | 2.5 - 3.0 | WP-STC-BK18-F-G-0-060719 |
| | | Gray (5YR 6/1) CLAY, soft | | 0 | | |
| 3 | | Gray (5YR 0/1) CLAY, some fine SAND, soft | | 0 | | |
| | | No recovery | | | | 4.0ft core barrel used |
| 4 | | | | | | |
| 5 | | End of boring | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.046

Boring difficulty: Hard near bottom

Top of sediment visibility: Clear

Time boring completed: 0910

Time/sediment level (ft) before draining sleeve: 1035/3

Time/sediment level (ft) after draining sleeve: 1040/3



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BN15-060719

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BN15-060719

Project Location: Fords, NJ

Date Completed: 6/7/19

Total Depth (ft bb): 4

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | WP-STC-BN15-F-G-0-060719 |
| | | Removed with hand auger | | | | |
| 1 | | | | | | |
| 2 | | Very dark gray (5YR 3/1) CLAY, little SILT, trace organics, very soft | 1.25 | 0 | 2.5 - 3.0 | |
| | | Gray (5YR 6/1) CLAY, soft | | 0 | | |
| 3 | | Gray (5YR 6/1) CLAY, some fine SAND | | 0 | | |
| | | No recovery | | | | |
| 4 | | End of boring | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.063

Boring difficulty: Hard near bottom

Top of sediment visibility: Clear

Time boring completed: 1140

Time/sediment level (ft) before draining sleeve: 1200/2.75

Time/sediment level (ft) after draining sleeve: 1230/2.75



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BN18

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BN18

Project Location: Fords, NJ

Date Completed: 6/7/19

Total Depth (ft bb): 4

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Removed with hand auger | | | | |
| 1 | | | | | | |
| 2 | | Very dark gray (5YR 3/1) CLAY and SILT, very soft, trace organics | 1.75 | 0 | | |
| | | Gray (5YR 5/1) and reddish brown (5YR 4/6) CLAY, soft | | 0 | 2.5 - 3.0 | WP-STC-BN18-F-G-0-060719 |
| 3 | | Very dark gray (5YR 3/1) CLAY, trace SILT, soft | | 0 | | |
| | | Gray (5YR 6/1) CLAY, little fine SAND | | 0 | 3.5 - 3.75 | WP-STC-BN18-H-I-0-060719 |
| 4 | | Gray (5YR 6/1) CLAY, soft | | | | |
| | | End of boring | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.456

Boring difficulty: Hard near bottom

Top of sediment visibility: Very low

Time boring completed: 0908

Time/sediment level (ft) before draining sleeve: 0935/2.25

Time/sediment level (ft) after draining sleeve: 0940/2.25



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BN43

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN43

Project Location: Fords, NJ

Date Completed: 6/11/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BN43-K-L-0-060719 |
| | | Black (5YR 2.5/1) CLAY and SILT, trace organics | | 0 | | |
| | | Gray (5YR 5/1) CLAY, soft | | | | |
| 1 | | Gray (5YR 5/1) fine well rounded SAND, some CLAY | 1.45 | 0 | 1 - 1.45 | WP-PBC-BN43-C-D-0-060719 |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542264

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613767

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.763

Boring difficulty: Very hard

Top of sediment visibility: Very low

Time boring completed: 1136

Time/sediment level (ft) before draining sleeve: 1145/0.55

Time/sediment level (ft) after draining sleeve: 1205/0.55



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Phone: (732) 417-5800
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Log of Borehole: WP-PB-BN46

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN46

Project Location: Fords, NJ

Date Completed: 6/11/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BN46-K-L-0-060719 |
| | | Black (5YR 2.5/1) CLAY and SILT, trace organics | | 0 | | |
| 1 | | Black (5YR 2.5/1) CLAY and SILT, little fine and medium SAND | 1.55 | 0 | 1 - 1.5 | WP-PBC-BN46-C-D-0-060719 |
| | | Grayish brown (10YR 5/2) fine SAND, well sorted, little CLAY | | 0 | | |
| 2 | | Gray (5YR 5/1) fine SAND, trace medium SAND, well sorted | | | | |
| | | No recovery | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 542263

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613737

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.710

Boring difficulty: Hard

Top of sediment visibility: Not visible

Time boring completed: 0857

Time/sediment level (ft) before draining sleeve: Not visible

Time/sediment level (ft) after draining sleeve: Not visible



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Fax: (732) 417-5801

Log of Borehole: WP-SB-BN48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BN48

Project Location: Fords, NJ

Date Completed: 6/11/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BN48-K-L-0-061119 |
| | | Black (5YR 2.5/1) CLAY and SILT, little organics | | 0 | | |
| 1 | | Grayish brown (10YR 5/2) fine and medium SAND, moderately sorted | 1 | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542264

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613715

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.691

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 0813

Time/sediment level (ft) before draining sleeve: 0915/1

Time/sediment level (ft) after draining sleeve: 1005/1



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BP43

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BP43

Project Location: Fords, NJ

Date Completed: 6/11/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BP43-K-L-0-060719 |
| | | Black (5YR 2.5/1) CLAY and SILT, trace organics | | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND, little medium SAND, CLAY and well rounded GRAVEL | 1.4 | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542290

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613768

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.850

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 1113

Time/sediment level (ft) before draining sleeve: 1145/0.6

Time/sediment level (ft) after draining sleeve: 1225/0.6



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BP46

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BP46

Project Location: Fords, NJ

Date Completed: 6/11/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BP46-K-L-0-061119 |
| | | Black (5YR 2.5/1) SILT, little CLAY and organics | | 0 | | |
| 1 | | Gray (5YR 5/1) fine and coarse SAND, moderately sorted No recovery | 0.9 | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542291

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613738

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.618

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 1040

Time/sediment level (ft) before draining sleeve: 1145/1.1

Time/sediment level (ft) after draining sleeve: 1300/1.1



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BP48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BP48

Project Location: Fords, NJ

Date Completed: 6/11/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BP48-K-L-0-061119 |
| | | Black (5YR 2.5/1) CLAY and SILT, little organics and SAND | | 0 | | |
| 1 | | Grayish brown (10YR 5/2) fine SAND, well sorted No recovery | 0.85 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 542288

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613724

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.985

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 0830

Time/sediment level (ft) before draining sleeve: 0915/1.15

Time/sediment level (ft) after draining sleeve: 1035/1.15



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Fax: (732) 417-5801

Log of Borehole: WP-ST-BN48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BN48

Project Location: Fords, NJ

Date Completed: 6/11/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.4 | WP-ST-BN48-E-F-0-061119 |
| 1 | | Very dark brown (10YR 2/2) CLAY and SILT, little SAND No recovery | 0.4 | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542264

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613710

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.252

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 0821

Time/sediment level (ft) before draining sleeve: 0915/1.6

Time/sediment level (ft) after draining sleeve: 1015/1.6



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Fax: (732) 417-5801

Log of Borehole: WP-ST-BP43

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BP43

Project Location: Fords, NJ

Date Completed: 6/11/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BP43-J-K-0-061119 |
| | | Black (5YR 2.5/1) and very dark brown (10YR 2/2) CLAY and SILT, little organics | | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND, well sorted, little medium SAND near bottom No recovery | 0.8 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542294

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613768

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.596

Boring difficulty: Easy

Top of sediment visibility: Very low

Time boring completed: 1120

Time/sediment level (ft) before draining sleeve: Not visible

Time/sediment level (ft) after draining sleeve: Not visible



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Log of Borehole: WP-ST-BP46

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BP46

Project Location: Fords, NJ

Date Completed: 6/11/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.25 | WP-ST-BP46-H-I-0-061119 |
| | | Very dark brown (10YR 2/2) SILT, some organics | 0.25 | | | |
| | | No recovery | | | | |
| 1 | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542296

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613737

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.371

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 1050

Time/sediment level (ft) before draining sleeve: 1125/1.25

Time/sediment level (ft) after draining sleeve: 1320/1.25



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Fax: (732) 417-5801

Log of Borehole: WP-ST-BP48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BP48

Project Location: Fords, NJ

Date Completed: 6/11/19

Total Depth (ft bb): 1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.2 | WP-ST-BP48-F-G-0-061119 |
| | | Black (5YR 2.5/1) CLAY and SILT, little fine and medium SAND | 0.2 | | | |
| | | No recovery | | | | |
| 1 | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 542293

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613722

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.60

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 0838

Time/sediment level (ft) before draining sleeve: 0915/1.8

Time/sediment level (ft) after draining sleeve: 1050/1.8



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BK37

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK37

Project Location: Fords, NJ

Date Completed: 6/13/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BK37-K-L-0-061319 |
| | | Black (5YR 2.5/1) CLAY and SILT, trace organics | | 0 | | |
| 1 | | Gray (5YR 5/1) CLAY, some fine SAND, soft | 1.8 | 0 | 1 - 1.5 | WP-PBC-BK37-C-D-0-061319 |
| | | Gray (5YR 5/1) fine SAND, little CLAY, fine well sorted | | 0 | | |
| 2 | | Gray (5YR 5/1) fine SAND, little medium SAND and fine well rounded GRAVEL | | | | |
| | | No recovery | | | | |
| | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 542233

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613828

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.966

Boring difficulty: Very hard

Top of sediment visibility: Very low

Time boring completed: 1314

Time/sediment level (ft) before draining sleeve: 1310/0.2

Time/sediment level (ft) after draining sleeve: 1440/0.2



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BN37

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN37

Project Location: Fords, NJ

Date Completed: 6/13/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|---|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.3 | WP-PB-BN37-M-N-0-061319 Core completed in hard bottom area reported by SES |
| | | Gray (5YR 5/1) and Grayish brown (10YR 5/2) fine SAND, well sorted and compacted | | | | |
| 1 | | No recovery | 0.3 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542264

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613828

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.341

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 1337

Time/sediment level (ft) before draining sleeve: 1500/1.4

Time/sediment level (ft) after draining sleeve: 1510/1.4



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Log of Borehole: WP-PB-BN40

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN40

Project Location: Fords, NJ

Date Completed: 6/13/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BN40-M-N-0-061319 |
| | | Gray (5YR 5/1) CLAY soft, some fine SAND | | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND, little medium SAND and fine well rounded GRAVEL No recovery | 0.85 | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542264

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613797

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 7.828

Boring difficulty: Very hard

Top of sediment visibility: Very low

Time boring completed: 1325

Time/sediment level (ft) before draining sleeve: 1310/1.15

Time/sediment level (ft) after draining sleeve: 1320/1.15



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Log of Borehole: WP-PB-BQ34

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BQ34

Project Location: Fords, NJ

Date Completed: 6/13/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BQ34-K-L-0-061319 |
| 1 | | Gray (5YR 5/1 and 6/1) fine and medium SAND, little fine well rounded GRAVEL, trace coarse well rounded GRAVEL | 1.3 | 0 | 1 - 1.3 | WP-PBC-BQ34-C-D-0-061319 |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542293

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613858

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.580

Boring difficulty: Hard to very hard

Top of sediment visibility: Very low

Time boring completed: 1547

Time/sediment level (ft) before draining sleeve: Not visible

Time/sediment level (ft) after draining sleeve: Not visible



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Log of Borehole: WP-PB-BQ37

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BQ37

Project Location: Fords, NJ

Date Completed: 6/13/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BQ37-M-N-0-061319 |
| | | Gray (5YR 5/1) and grayish brown (10YR 5/2) fine SAND, well sorted and compacted | | 0 | | |
| | | Gray (5YR 5/1) CLAY and fine SAND, stiff | | 0 | | |
| 1 | | No recovery | 1 | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542294

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613828

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 7.888

Boring difficulty: Very hard

Top of sediment visibility: Very low

Time boring completed: 1557

Time/sediment level (ft) before draining sleeve: Not visible

Time/sediment level (ft) after draining sleeve: Not visible



The Trusted Integrator for Sustainable Solutions

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Log of Borehole: WP-PB-BT31

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BT31

Project Location: Fords, NJ

Date Completed: 6/13/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.4 | WP-PB-BT31-A-B-0-061319 |
| | | Dark gray (5YR 4/1) CLAY, little fine and medium SAND, very soft, trace organics | | 0 | | |
| 1 | | No recovery | 0.4 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542327

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613888

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.769

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 1537

Time/sediment level (ft) before draining sleeve: 1015/1.6

Time/sediment level (ft) after draining sleeve: 1735/1.6



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Log of Borehole: WP-SB-BS37

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BS37

Project Location: Fords, NJ

Date Completed: 6/13/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BS37-K-L-0-061319 |
| | | Gray (5YR 5/1) CLAY, some fine SAND, soft | | 0 | | |
| 1 | | Gray (5YR 5/1) CLAY and fine SAND, stiff No recovery | 0.65 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
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| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542320

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613828

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.855

Boring difficulty: Hard

Top of sediment visibility: Not visible

Time boring completed: 1400

Time/sediment level (ft) before draining sleeve: Not visible

Time/sediment level (ft) after draining sleeve: Not visible



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BU31

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BU31

Project Location: Fords, NJ

Date Completed: 6/13/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BU31-I-J-0-061319 |
| | | Gray (5YR 5/1) CLAY, very soft, little organics | | 0 | | |
| 1 | | Gray (5YR 5/1) fine and medium SAND, moderately sorted | 0.85 | 0 | | |
| | | Dark gray (5YR 4/1) CLAY, little SILT, soft No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
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| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542326

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613887

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.469

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 1510

Time/sediment level (ft) before draining sleeve: 1615/1.15

Time/sediment level (ft) after draining sleeve: 1620/1.15



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Phone: (732) 417-5800
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Log of Borehole: WP-ST-BS37

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BS37

Project Location: Fords, NJ

Date Completed: 6/13/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BS37-H-I-0-061319 |
| | | Black (5YR 2.5/1) CLAY, some SILT, very soft, little organics | | 0 | | |
| 1 | | Gray (5YR 5/1) and dark gray (5YR 4/1) CLAY, little fine SAND and SILT, soft No recovery | 0.7 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542323

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613824

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.118

Boring difficulty: Easy

Top of sediment visibility: Fairly clear

Time boring completed: 1407

Time/sediment level (ft) before draining sleeve: 1500/1.3

Time/sediment level (ft) after draining sleeve: 1530/1.3



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Log of Borehole: WP-ST-BU31

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BU31

Project Location: Fords, NJ

Date Completed: 6/13/19

Total Depth (ft bb): 1.1

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (5YR 4/1) CLAY, little fine SAND and SILT, little organics | | 0 | 0 - 0.5 | WP-ST-BU31-E-F-0-061319 |
| | | Gray (5YR 5/1) fine and medium SAND, moderately sorted | | 0 | | |
| 1 | | Gray (5YR 6/1) CLAY, some fine and medium SAND | 1.1 | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
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| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 542332

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 613888

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.660

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: 1517

Time/sediment level (ft) before draining sleeve: 1615/0.9

Time/sediment level (ft) after draining sleeve: 1640/0.9



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BP39

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BP39

Project Location: Fords, NJ

Date Completed: 6/18/19

Total Depth (ft bb): Refusal at 1.25

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0.8 | 0 - 0.45 | WP-PB-BP39-Q-R-0-061819 |
| | | Gray (5YR 6/1) Medium SAND, little CLAY and fine SAND, trace fine GRAVEL | | | | |
| | | No recovery | 0.45 | | | |
| 1 | | | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613810.3

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542285.9

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 7.548

Boring difficulty: Very hard

Top of sediment visibility: Moderate

Time boring completed: 1034

Time/sediment level (ft) before draining sleeve: 1240/1.46

Time/sediment level (ft) after draining sleeve: 1247/1.46



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BT31-061819

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BT31-061819

Project Location: Fords, NJ

Date Completed: 6/18/19

Total Depth (ft bb): 2

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | | WP-PBC-BT31-C-D-0-061819 |
| | | Dark gray (5YR 4/1) Fine SAND, little medium SAND | | 0 | | |
| | | Dark gray (5YR 4/1) Fine and medium SAND, trace organics | | 0 | | |
| 1 | | Gray (5YR 6/1) Medium SAND well sorted, some CLAY, trace fine GRAVEL, moderate compaction | 1.75 | 0 | 1 - 1.5 | |
| | | No recovery | | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613888.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542328

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.710

Boring difficulty: Hard

Top of sediment visibility: Moderate

Time boring completed: 1306

Time/sediment level (ft) before draining sleeve: Not visible

Time/sediment level (ft) after draining sleeve: Not visible



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Fax: (732) 417-5801

Log of Borehole: WP-SB-BQ40

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BQ40

Project Location: Fords, NJ

Date Completed: 6/18/19

Total Depth (ft bb): Refusal at 1.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0.1 | 0 - 0.5 | WP-SB-BQ40-Q-R-0-061819 |
| | | Dark gray (5YR 4/1) SILT and fine SAND, little CLAY, very soft | | 0.7 | | |
| 1 | | Dark gray (5YR 4/1) SILT and medium SAND, little CLAY and fine GRAVEL | | 0 | | |
| | | Gray (5YR 6/1) Fine to medium SAND well sorted and moderate compaction, little CLAY | | 0 | | |
| 2 | | Gray (5YR 6/1) Medium SAND, well sorted and compacted | | | | |
| | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613798.3

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542294.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.222

Boring difficulty: Very hard

Top of sediment visibility: Moderate

Time boring completed: 1109

Time/sediment level (ft) before draining sleeve: 1215/0.28

Time/sediment level (ft) after draining sleeve: 1222/0.32



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Log of Borehole: WP-ST-BQ40

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BQ40

Project Location: Fords, NJ

Date Completed: 6/18/19

Total Depth (ft bb): 2

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 2.0 | 0 - 0.5 | WP-ST-BQ40-I-J-0-061819 |
| | | Dark gray (5YR 4/1) SILT and organics, very soft | | | | |
| 1 | | Gray (5YR 6/1) CLAY, little fine sand, soft No recovery | 0.3 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613798.4

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542299.6

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.239

Boring difficulty: Hard

Top of sediment visibility: Moderate

Time boring completed: 1109

Time/sediment level (ft) before draining sleeve: 1203/0.76

Time/sediment level (ft) after draining sleeve: 1205/0.80



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BK48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BK48

Project Location: Fords, NJ

Date Completed: 6/18/19

Total Depth (ft bb): 2

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Black (10YR 2/1) SILT, little fine to medium SAND, trace organics | | 4.7 | 0 - 0.5 | WP-STC-BK48-J-K-0-061819 |
| | | Dark gray (5YR 4/1) Medium SAND, well sorted | | 0.7 | | |
| 1 | | No recovery | 0.85 | 0.8 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613704.8

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542233.5

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.528

Boring difficulty: Hard

Top of sediment visibility: Moderate

Time boring completed: 1115

Time/sediment level (ft) before draining sleeve: 1145/0.86

Time/sediment level (ft) after draining sleeve: 1147/0.89



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Log of Borehole: WP-STC-BN48

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BN48

Project Location: Fords, NJ

Date Completed: 6/18/19

Total Depth (ft bb): 2

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BN48-E-F-0-061819 |
| | | Dark gray (5YR 4/1) SILT and medium SAND, trace organics | | 0 | | |
| 1 | | Dark gray (5YR 4/1) Medium SAND, some SILT No recovery | 0.75 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613810.3

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542285.9

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.254

Boring difficulty: Hard

Top of sediment visibility: Moderate

Time boring completed: 1120

Time/sediment level (ft) before draining sleeve: 1133/1.23

Time/sediment level (ft) after draining sleeve: 1135/1.24



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Log of Borehole: WP-STC-BS37

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BS37

Project Location: Fords, NJ

Date Completed: 6/18/19

Total Depth (ft bb): 2

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 2.4 | 0 - 0.5 | WP-STC-BS37-H-I-0-061819 |
| | | Dark gray (5YR 6/1) SILT, little CLAY and organics, very soft | | 0.1 | | |
| 1 | | Dark gray (5YR 6/1) SILT and organics, very soft | 1 | 0 | | |
| | | Dark gray (5YR 6/1) CLAY and SILT, little fine SAND, soft, trace organics | | | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613821.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542327

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.416

Boring difficulty: Hard

Top of sediment visibility: Moderate

Time boring completed: 1258

Time/sediment level (ft) before draining sleeve: 1330/0.88

Time/sediment level (ft) after draining sleeve: 1336/0.89



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Fax: (732) 417-5801

Log of Borehole: WP-SBC-BU31

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SBC-BU31

Project Location: Fords, NJ

Date Completed: 6/20/19

Total Depth (ft bb): 2

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0.9 | | WP-SBC-BU31-K-L-0-062019 |
| | | Dark gray (7.5YR 4/1) SILT, some CLAY and medium SAND, trace organics, very soft | | 0 | | |
| 1 | | Dark gray (7.5YR 4/1) Medium SAND, some fine SAND, little SILT, well sorted | 1.25 | 0 | 1 - 1.25 | |
| | | Dark gray (7.5YR 4/1) CLAY, little SILT, soft | | | | |
| 2 | | Gray (7.5YR 5/1) Medium SAND, trace coarse SAND and CLAY | | | | |
| | | No recovery | | | | |
| | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 613887.3

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542326.7

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.876

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: WP-SBC-BU31

Time/sediment level (ft) before draining sleeve: 1542/0.56

Time/sediment level (ft) after draining sleeve: 1547/0.56



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Phone: (732) 417-5800
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Log of Borehole: WP-STC-BH10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BH10

Project Location: Fords, NJ

Date Completed: 6/20/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0.2 | 0 - 0.5 | WP-STC-BH10-A-B-0-062019 |
| | | Dark brown (7.5YR 3/2) CLAY and SILT, some organics, trace fine SAND, very soft | | 0.1 | | |
| 1 | | Dark brown (7.5YR 3/2) CLAY and SILT, some organics, trace fine SAND | 1.75 | 0.3 | 1 - 1.5 | WP-STC-BH10-C-D-0-062019 |
| | | Gray (7.5 YR 5/1) CLAY | | 0 | | |
| 2 | | No recovery | | | | |
| 3 | | End of boring | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.80

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: WP-STC-BH10

Time/sediment level (ft) before draining sleeve: 1417/0.64

Time/sediment level (ft) after draining sleeve: 1425/0.66



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Log of Borehole: WP-STC-BH11

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BH11

Project Location: Fords, NJ

Date Completed: 6/20/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (7.5YR 4/1) SILT and organics, some CLAY, little SAND, very soft | | 1.0 | 0 - 0.5 | WP-STC-BH11-A-B-0-062019 |
| | | Dark gray (7.5YR 4/1) SILT and CLAY, some organics and fine SAND, very soft | | 1.0 | | |
| 1 | | Gray (7.5YR 5/1) CLAY | 1.65 | 0 | 1 - 1.5 | WP-STC-BH11-C-D-0-062019 |
| | | No recovery | | 0 | | |
| 2 | | | | | | |
| | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.70

Boring difficulty: Moderate

Top of sediment visibility: Poor

Time boring completed: WP-STC-BH11

Time/sediment level (ft) before draining sleeve: 1350/0.52

Time/sediment level (ft) after draining sleeve: 1350/0.52



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BK10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BK10

Project Location: Fords, NJ

Date Completed: 6/20/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BK10-A-B-0-062019 |
| | | Dark brown (7.5YR 3/2) CLAY and SILT, some organics and medium SAND | | 0 | | |
| 1 | | Brown (7.5YR 5/4) Medium SAND, trace fine SAND, well sorted | | 0 | 1 - 1.5 | WP-STC-BK10-C-D-0-062019 |
| | | Dark gray (7.5YR 4/1) SILT, some organics and CLAY | 1.8 | 0 | | |
| | | Gray (7.5YR 5/1) CLAY | | | | |
| 2 | | No recovery | | | | |
| | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.36

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: WP-STC-BK10

Time/sediment level (ft) before draining sleeve: 1417/0.67

Time/sediment level (ft) after draining sleeve: 1440/0.67



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BN11

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BN11

Project Location: Fords, NJ

Date Completed: 6/20/19

Total Depth (ft bb): 2.5

Geologist/Logger: A Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BN11-A-B-0-062019 |
| | | Dark brown (7.5YR 3/2) Medium SAND and organics, some CLAY | | 0 | | |
| 1 | | Strong brown (7.5YR 4/6) CLAY, some SAND, little organics | | 0 | 1 - 1.5 | |
| | | Dark brown (7.5YR 3/2) Medium SAND and SILT, little CLAY and organics | 1 | | | |
| 2 | | Gray (7.5YR 5/1) Medium SAND, some CLAY, well sorted | | | | |
| | | No recovery | | | | |
| | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.88

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: WP-STC-BN11

Time/sediment level (ft) before draining sleeve: 1310/1.43

Time/sediment level (ft) after draining sleeve: 1315/1.43



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BN13

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BN13

Project Location: Fords, NJ

Date Completed: 6/20/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BN13-A-B-0-062019 |
| | | Dark gray (7.5YR 4/1) CLAY and organics, little medium SAND | | 0 | | |
| 1 | | Dark gray (7.5YR 4/1) CLAY, little medium SAND and organics | | 1.2 | 1 - 1.5 | WP-STC-BN13-C-D-0-062019 |
| | | Dark gray (7.5YR 4/1) CLAY some medium SAND, well sorted and moderate compaction | 2 | 0.8 | | |
| 2 | | Very dark gray (7.5YR 3/1) CLAY, some SILT | | 1.6 | | |
| | | Strong brown (7.5YR 4/6) CLAY, some SILT | | | | |
| 3 | | No recovery | | | | |
| | | End of boring | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.45

Boring difficulty: Hard

Top of sediment visibility: Not visible

Time boring completed: WP-STC-BN13

Time/sediment level (ft) before draining sleeve: Not visible

Time/sediment level (ft) after draining sleeve: Not visible



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BH19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH19

Project Location: Fords, NJ

Date Completed: 6/21/19

Total Depth (ft bb): Refusal at 1.65

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BH19-G-H-0-062019 |
| | | Gray (5YR 5/1) Medium SAND, little fine SAND and SILT, well sorted | | 0 | | |
| 1 | | Gray (5YR 5/1) SILT and CLAY, little fine SAND | 1.10 | 0 | 1 - 1.10 | WP-PBC-BH19-I-J-0-062019 |
| | | Gray (7.5YR 5/1) Medium SAND, some CLAY, trace fine GRAVEL | | | | |
| 2 | | No recovery | | | | |
| | | End of boring Refusal at 1.65' | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614007.7

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204.2

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.742

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 0740

Time/sediment level (ft) before draining sleeve: 0844/0.87

Time/sediment level (ft) after draining sleeve: 0847/0.87



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BK19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK19

Project Location: Fords, NJ

Date Completed: 6/21/19

Total Depth (ft bb): Refusal at 1.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BK19-G-H-0-062119 |
| | | Dark gray (7.5YR 4/1) CLAY, little SILT and fine SAND | | 0 | | |
| 1 | | Gray (5YR 5/1) Medium SAND and CLAY, little fine SAND | 0.55 | | | 0' - 0.5' via hand auger |
| | | No recovery | | | | |
| 2 | | End of boring Refusal at 1.5' | | | | 0.5' - 2.5' via slide hammer and core barrel |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614008.9

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 542234.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.571

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 0720

Time/sediment level (ft) before draining sleeve: 0915/1.15

Time/sediment level (ft) after draining sleeve: 0920/1.15



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Log of Borehole: WP-PB-BN19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

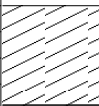
Borehole Completed As: WP-PB-BN19

Project Location: Fords, NJ

Date Completed: 6/21/19

Total Depth (ft bb): 2

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | 0.95 | 0 | 0 - 0.5 | WP-PB-BN19-G-H-0-062019 |
| | | Gray (5YR 5/1) CLAY | | 0 | | |
| 1 | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614008.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542263.8

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.845

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 0710

Time/sediment level (ft) before draining sleeve: No water/1.04

Time/sediment level (ft) after draining sleeve: No water/1.04



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BE10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BE10

Project Location: Fords, NJ

Date Completed: 6/21/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|---|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BE10-A-B-0-062119 |
| | | Dark brown (7.5YR 3/2) SILT and organics, some CLAY | | 0 | | |
| 1 | | Dark brown (7.5YR 3/2) SILT, little fine SAND and organics | | 2.1 | 1 - 1.4 | WP-STC-BE10-C-D-0-062119 |
| | | Gray (5YR 5/1) CLAY | 1.4 | | | |
| | | No recovery | | | | |
| 2 | | | | | | 0' - 0.5' via hand auger |
| | | End of boring | | | | 0.5' - 2.5' via slide hammer with core barrel |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.86

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1040/0.74

Time/sediment level (ft) after draining sleeve: 1047/0.74



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BH7

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BH7

Project Location: Fords, NJ

Date Completed: 6/21/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|---|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BH7-A-B-0-062119 |
| | | Dark brown (7.5YR 3/2) CLAY and organics, some SILT, trace fine SAND | | 0 | | |
| 1 | | Dark brown (7.5YR 3/2) CLAY and SILT, little fine SAND | 1 | 0 | | |
| | | Gray (7.5YR 5/1) CLAY, little SILT and fine SAND | | | | |
| | | No recovery | | | | |
| 2 | | | | | | |
| | | End of boring | | | | 0' - 0.5' via hand auger |
| 3 | | | | | | 0.5' - 2.5' via slide hammer with core barrel |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.50

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1016/1.12

Time/sediment level (ft) after draining sleeve: 1019/1.12



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BH8

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BH8

Project Location: Fords, NJ

Date Completed: 6/21/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BH8-A-B-0-062119 |
| | | Dark brown (7.5YR 3/2) CLAY and organics, some SILT | | 0 | | |
| 1 | | Dark brown (7.5YR 3/2) CLAY, some organics, trace fine SAND | | 0 | 1 - 1.4 | WP-STC-BH8-C-D-0-062119 |
| | | Gray (5YR 5/1) CLAY, little SILT | 1.4 | 0 | | |
| | | No recovery | | | | |
| 2 | | | | | | |
| | | End of boring | | | | 0' - 0.5' via hand auger |
| 3 | | | | | | 0.5' - 2.5' via slide hammer and core barrel |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.15

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 0950/0.61

Time/sediment level (ft) after draining sleeve: 0955/0.61



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BH16

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH16

Project Location: Fords, NJ

Date Completed: 6/25/19

Total Depth (ft bb): 2.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Gray (7.5YR 5/1) Medium SAND, trace coarse SAND, and fine GRAVEL | | 1.2 | 0 - 0.5 | WP-PB-BH16-G-H-0-062519 |
| | | Gray (7.5YR 5/1) SILT, some CLAY, little fine SAND | | 0.2 | | |
| 1 | | Gray (7.5YR 5/1) Medium SAND, little CLAY, well compacted and sorted | 1.2 | 0 | 1 - 1.2 | WP-PBC-BH16-I-J-0-062519 |
| | | No recovery | | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614038.8

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542203.7

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.624

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0844

Time/sediment level (ft) before draining sleeve: 0940 / 0.83

Time/sediment level (ft) after draining sleeve: 0955 / 0.83



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Phone: (732) 417-5800
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Log of Borehole: WP-SB-BE16

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BE16

Project Location: Fords, NJ

Date Completed: 6/25/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.25 | WP-SB-BE16-G-H-0-062519 |
| | | Gray (7.5YR 6/1) Medium SAND, well sorted, compacted, little CLAY | 0.25 | | | |
| 1 | | Gray (7.5YR 6/1) CLAY, little medium SAND, well compacted | | | | |
| | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
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| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 614037.7

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542184.5

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.980

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 1536

Time/sediment level (ft) before draining sleeve: 1605 / 1.71

Time/sediment level (ft) after draining sleeve: 1622 / 1.71



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BR22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BR22

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BR22-A-B-0-052919 |
| | | Black (5YR 2.5/1) CLAY and SILT, organics (roots) | | 0 | | |
| | | Gray (5YR 5/1) CLAY, soft | 0.85 | 0 | | |
| 1 | | Gray (5YR 5/1) fine SAND, little medium SAND, moderately sorted | | | | |
| | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
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| 6 | | | | | | |
| 7 | | | | | | |
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| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542307

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.605

Boring difficulty: Moderate

Top of sediment visibility: Clearly visible

Time boring completed: 0846

Time/sediment level (ft) before draining sleeve: 1030/1.21

Time/sediment level (ft) after draining sleeve: 1145/1.21



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Log of Borehole: WP-ST-BE16

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BE16

Project Location: Fords, NJ

Date Completed: 6/25/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.45 | WP-ST-BE16-A-B-0-062519 |
| | | Dark brown (7.5YR 3/2) Organics and SILT (roots, stems) | 0.45 | 0 | | |
| | | No recovery | | | | |
| 1 | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 614038.2

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542175

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.822

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 1542

Time/sediment level (ft) before draining sleeve: 1605 / 1.53

Time/sediment level (ft) after draining sleeve: 1609 / 1.53



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-BR22

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BR22

Project Location: Fords, NJ

Date Completed: 5/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BR22-A-B-0-052919 |
| | | Very dark brown (10YR 2/2) SILT and organics (roots, leaves) | | 0 | | |
| | | Brown (10YR 4/3) SILT, little organics | 0.55 | | | |
| 1 | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613978

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542307

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.951

Boring difficulty: Hard

Top of sediment visibility: No water

Time boring completed: 0851

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Log of Borehole: WP-STC-BG10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BG10

Project Location: Fords, NJ

Date Completed: 6/25/19

Total Depth (ft bb): 2.85

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BG10-A-B-0-062519 |
| | | Dark brown (7.5YR 3/2) CLAY and organics (roots), some SILT | | 0 | | |
| 1 | | Dark brown (7.5YR 3/2) SILT and organics (roots) some CLAY | | 0 | | |
| | | Dark gray (7.5YR 4/1) CLAY | 2.0 | 0 | | |
| 2 | | Dark gray (7.5YR 4/1) CLAY and medium to fine SAND, trace organics (roots) | | 0 | | |
| | | No recovery | | | | 0 - 0.85' via hand auger |
| | | | | | | 0.85 - 2.85' via slide hammer with core barrel |
| 3 | | End of boring | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.80

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1440 / 0.73

Time/sediment level (ft) after draining sleeve: 1443 / 0.73



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BK7

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BK7

Project Location: Fords, NJ

Date Completed: 6/25/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BK7-A-B-0-062519 |
| | | Dark brown (7.5YR 3/2) Medium SAND, some CLAY, and organics (roots) | | 0 | | |
| 1 | | Brown (7.5YR 4/3) Medium SAND, little SILT, well sorted | | 0 | 1 - 1.5 | WP-STC-BK7-C-D-0-062519 |
| | | Dark gray (7.5YR 4/1) SILT, some CLAY, soft | 1.55 | 0 | | |
| 2 | | Gray (7.5YR 5/1) CLAY, little black SILT lenses | | | | 0 - 0.5' via hand auger |
| | | No recovery | | | | 0.5 - 2.5' via slide hammer with core barrel |
| | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.5

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: N/A

Time/sediment level (ft) before draining sleeve: 1345 / 0.84

Time/sediment level (ft) after draining sleeve: 1349 / 0.84



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BK8

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BK8

Project Location: Fords, NJ

Date Completed: 6/25/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BK8-A-B-0-062519 |
| | | Brown (7.5YR 4/3) CLAY and organics (roots), some SILT, trace medium SAND | | 0.2 | | |
| 1 | | Brown (7.5YR 4/3) CLAY, some SILT, trace medium SAND | | 0.4 | 1.0 - 1.5 | WP-STC-BK8-C-D-0-062519 |
| | | Brown (7.5YR 4/3) Medium SAND, well sorted | 1.5 | 0 | | |
| 2 | | Gray with brown, black, greenish streaks, possibly staining/sheen. CLAY, very soft and saturated | | | | 0 - 0.5' via hand auger |
| | | Gray (7.5YR 5/1) Medium SAND, little CLAY and organics (roots) | | | | 1.0 - 1.5' via slide hammer with core barrel |
| 3 | | No recovery | | | | |
| | | End of boring | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.15

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: N/A

Time/sediment level (ft) before draining sleeve: 1210 / 1.0

Time/sediment level (ft) after draining sleeve: 1213 / 1.0



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BM10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BM10

Project Location: Fords, NJ

Date Completed: 6/25/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BM10-A-B-0-062519 |
| | | Brown (7.5YR 5/1) Medium SAND, some CLAY and organics | | 0 | | |
| 1 | | Brown (7.5YR 5/1) Medium SAND, some CLAY, well compacted and sorted | | 0 | 1 - 1.5 | WP-STC-BM10-C-D-0-062519 |
| | | Dark gray (7.5YR 4/1) Medium SAND, little SILT | 2.3 | 0 | | |
| 2 | | Dark gray (7.5YR 4/1) SILT, some medium SAND and CLAY | | 0 | | |
| | | Gray, brown, bluish CLAY, very soft and saturated | | | | 0 - 0.5' via hand auger |
| | | No recovery | | | | 0.5 - 2.5' via slide hammer with core barrel |
| 3 | | End of boring | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.75

Boring difficulty: Moderate

Top of sediment visibility: Not visible

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: Not visible

Time/sediment level (ft) after draining sleeve: Not visible



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BO13

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BO13

Project Location: Fords, NJ

Date Completed: 6/25/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BO13-A-B-0-062519 |
| | | Black (7.5YR 2.5/1) SILT and organics (roots), some CLAY, soft | | 0 | | |
| 1 | | Gray (7.5YR 5/1) CLAY and medium to fine SAND, well sorted | 2.0 | 0 | 1 - 1.5 | WP-STC-BO13-C-D-0-062519 |
| | | Black (7.5YR 2.5/1) SILT, trace organics (roots) | | 0 | | |
| 2 | | No recovery | | 0 | | 0 - 0.5' via hand auger |
| | | End of boring | | | | 0.5 - 2.5' via slide hammer with core barrel |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.45

Boring difficulty: Moderate

Top of sediment visibility: Poor

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1410 / 0.49

Time/sediment level (ft) after draining sleeve: 1413 / 0.49



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BT34

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BT34

Project Location: Fords, NJ

Date Completed: 6/27/19

Total Depth (ft bb): 2

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BT34-I-J-0-062719 |
| | | Dark gray (7.5YR 4/1) SILT and medium SAND, little CLAY, very soft | | 0 | | |
| 1 | | Dark gray (7.5YR 4/1) SILT and CLAY, trace organics (roots), soft No recovery | 0.6 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613858.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542324.2

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.903

Boring difficulty: Hard

Top of sediment visibility: Moderate

Time boring completed: 1010

Time/sediment level (ft) before draining sleeve: 1104/0.99

Time/sediment level (ft) after draining sleeve: 1108/0.99



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BS25-062719

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BS25-062719

Project Location: Fords, NJ

Date Completed: 6/27/19

Total Depth (ft bb): 1

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BS25-C-D-0-062719 |
| | | Dark brown (7.5YR 3/2) Organics, trace SILT | | 0 | | |
| | | Gray (7.5YR 6/1) Medium SAND and CLAY, trace fine GRAVEL, well compacted | 0.75 | | | |
| 1 | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.936

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 1111

Time/sediment level (ft) before draining sleeve: 1220/1.31

Time/sediment level (ft) after draining sleeve: 1223/1.31



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Fax: (732) 417-5801

Log of Borehole: WP-SB-BU34

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BU34

Project Location: Fords, NJ

Date Completed: 6/27/19

Total Depth (ft bb): 1

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.45 | WP-SB-BU34-I-J-0-062719 |
| | | Gray (7.5YR 6/1) Medium SAND, little CLAY, trace fine GRAVEL and organics (roots) | 0.45 | 0 | | |
| 1 | | Gray (7.5YR 6/1) Medium SAND, some CLAY, sand is medium dense | | | | |
| | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613857.9

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542333.8

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 9.893

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 1034

Time/sediment level (ft) before draining sleeve: 1200/1.55

Time/sediment level (ft) after draining sleeve: 1211/1.55



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Log of Borehole: WP-ST-BU34

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BU34

Project Location: Fords, NJ

Date Completed: 6/27/19

Total Depth (ft bb): 1

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BU34-E-F-0-062719 |
| | | Dark brown (7.5YR3/2) Medium SAND, some SILT and organics (roots, leaves) | 0.8 | 0 | | |
| | | Gray (7.5YR 6/1) Medium SAND, little SILT and CLAY, well sorted sand | | 0 | | |
| 1 | | Gray (7.5YR 6/1) SILT, some fine SAND, little CLAY | | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613857.7

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542338.8

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.693

Boring difficulty: Hard

Top of sediment visibility: Moderate

Time boring completed: 1040

Time/sediment level (ft) before draining sleeve: 1135/1.05

Time/sediment level (ft) after draining sleeve: 1137/1.07



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BE16

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BE16

Project Location: Fords, NJ

Date Completed: 6/27/19

Total Depth (ft bb): 1

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.45 | WP-STC-BE16-A-B-0-062719 |
| | | Dark brown (7.5YR 3/2) Organics (leaves, roots, stems) little SILT, trace fine SAND | 0.45 | 0 | | |
| | | No recovery | | | | |
| 1 | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614038.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542169.7

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.799

Boring difficulty: Hard

Top of sediment visibility: Poor

Time boring completed: 0952

Time/sediment level (ft) before draining sleeve: 1120/1.59

Time/sediment level (ft) after draining sleeve: 1126/1.59



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BP13

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BP13

Project Location: Fords, NJ

Date Completed: 6/27/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | 1 | 0 | 0 - 0.5 | WP-STC-BP13-A-B-0-062719 |
| | | Brown (7.5YR 4/2) Fine SAND, little SILT and organics (roots), pill bug observed | | 0 | | |
| 1 | | No recovery | | 0 | | |
| 2 | | | | | | |
| 3 | | End of boring | | | | 0 - 0.5 via hand auger |
| 4 | | | | | | 0.5 - 2.5 via slide hammer and core barrel |
| 5 | | | | | | Location is on upland soil (dry) |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 16.5

Boring difficulty: Easy

Top of sediment visibility: Clear

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



The Trusted Integrator for Sustainable Solutions

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Fax: (732) 417-5801

Log of Borehole: WP-STC-BQ13

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BQ13

Project Location: Fords, NJ

Date Completed: 6/27/19

Total Depth (ft bb): 2.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BQ13-A-B-0-062719 |
| | | Dark brown (7.5YR 3/2) Fine SAND, little SILT and organics (roots) | | 0 | | |
| 1 | | Strong brown (7.5YR 5/8) Medium SAND, little fine SAND and CLAY, trace organics | | 0 | 1 - 1.5 | WP-STC-BQ13-C-D-0-062719 |
| | | Strong brown (7.5YR 5/8) CLAY, stiff | 1.55 | 0 | | |
| | | Strong brown (7.5YR 5/8) Medium SAND, well sorted | | 0 | | |
| 2 | | Strong brown (7.5YR 5/8) and Gray (7.5YR 5/8) CLAY, stiff | | | | |
| | | No recovery | | | | 0 - 0.5 via hand auger |
| 3 | | End of boring | | | | 1 - 2.5 via slide hammer and core barrel |
| | | | | | | Location is on upland soil (dry) |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 15.75

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BS28-062819

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BS28-062819

Project Location: Fords, NJ

Date Completed: 6/28/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.40 | WP-SB-BS28-M-N-0-062819 |
| | | Gray (7.5YR 6/1) Medium SAND, little fine and coarse GRAVEL, trace CLAY | 0.40 | 0 | | |
| 1 | | Gray (7.5YR 6/1) SILT, some CLAY and fine SAND | | | | |
| | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613918

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542321

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.929

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 0945

Time/sediment level (ft) before draining sleeve: 1015 / 1.60

Time/sediment level (ft) after draining sleeve: 1019 / 1.60



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Log of Borehole: WP-STC-BH1

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BH1

Project Location: Fords, NJ

Date Completed: 7/2/19

Total Depth (ft bb): 2.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|---------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BH1-A-B-0-070219 |
| | | Very dark brown (10YR 2/2) CLAY and SILT, organic matter throughout | | 0 | | |
| 1 | | Gray (5YR 5/1) and dark gray (5YR 4/1) CLAY, little fine and medium SAND, moist, soft | 2.2 | 0 | 1 - 1.5 | WP-STC-BH1-C-D-0-070219 |
| | | Gray (5YR 6/1) CLAY, slightly moist, soft | | 0 | | |
| 2 | | Black (5YR 5/1) SILT, some fine and medium SAND, organic matter throughout | | 0 | | |
| | | Gray (5YR 5/1) to dark gray (5YR 4/1) CLAY, soft, slightly moist | | 0 | | |
| 3 | | No recovery | | | | 0 - 0.5' via hand auger |
| | | End of boring | | | | 1 - 1.5' via slide hammer |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 15.5

Boring difficulty: N/A

Top of sediment visibility: N/A - no water

Time boring completed: 1500

Time/sediment level (ft) before draining sleeve: N/A - no water

Time/sediment level (ft) after draining sleeve: N/A - no water



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BH4

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BH4

Project Location: Fords, NJ

Date Completed: 7/2/19

Total Depth (ft bb): 1.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|---------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BH4-A-B-0-070219 |
| | | Very dark brown (10YR 2/2) CLAY and SILT, organic matter throughout | | 0 | | |
| 1 | | Gray (5YR 5/1) and dark gray (5YR 4/1) CLAY, little fine and medium SAND, moist, soft | 1.5 | 0 | 1 - 1.5 | WP-STC-BH4-C-D-0-070219 |
| | | Gray (5YR 5/1) CLAY, some fine and medium SAND, soft, moist | | 0 | | |
| 2 | | Gray (5YR 5/1) to dark gray (5YR 4/1) CLAY, soft, slightly moist | | | | |
| | | No recovery | | | | 0 - 0.5' via hand auger |
| | | End of boring | | | | 1 - 1.5' via slide hammer |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.50

Boring difficulty: N/A

Top of sediment visibility: Very low

Time boring completed: 1515

Time/sediment level (ft) before draining sleeve: Very low

Time/sediment level (ft) after draining sleeve: Very low



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BJ6

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BJ6

Project Location: Fords, NJ

Date Completed: 7/2/19

Total Depth (ft bb): 2.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|---------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BJ6-A-B-0-070219 |
| | | Black (5YR 2.5/1) and very dark brown (10YR 2/2) SILT and CLAY, organic matter throughout | | 0 | | |
| 1 | | Dark gray (5YR 4/1) to very dark gray (5YR 3/1) CLAY, little organic matter, trace fine to medium SAND, soft | 1.5 | 0 | 1 - 1.5 | WP-STC-BJ6-C-D-0-070219 |
| | | Gray (5YR 5/1) CLAY, soft | | 0 | | |
| 2 | | No recovery | | | | |
| | | End of boring | | | | 0 - 0.5' via hand auger |
| 3 | | | | | | 1 - 1.5' via slide hammer |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.15

Boring difficulty: Easy

Top of sediment visibility: N/A - no water

Time boring completed: 1100

Time/sediment level (ft) before draining sleeve: N/A - no water

Time/sediment level (ft) after draining sleeve: N/A - no water



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BK1

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BK1

Project Location: Fords, NJ

Date Completed: 7/2/19

Total Depth (ft bb): 2.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BK1-A-B-0-070219 |
| | | Gray and dark gray (5YR 5/1 and 4/1) CLAY, little to trace SAND, organic matter throughout, moist, soft | | 0 | | |
| 1 | | Dark grayish brown (10YR 4/2) CLAY, little fine and medium SAND, moist, soft | 2.1 | 0 | 1 - 1.5 | WP-STC-BK1-C-D-0-070219 |
| | | Black (5YR 2.5/1) CLAY, little SILT, slightly moist | | 0 | | |
| 2 | | Gray (5YR 5/1) to dark gray (5YR 4/1) CLAY, soft, slightly moist | | 0 | | |
| | | No recovery | | | | 0 - 0.5 via hand auger |
| | | End of boring | | | | 1 - 1.5 via slide hammer |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.5

Boring difficulty: N/A

Top of sediment visibility: N/A

Time boring completed: 1600

Time/sediment level (ft) before draining sleeve: N/A - no water

Time/sediment level (ft) after draining sleeve: N/A - no water



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BK4

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BK4

Project Location: Fords, NJ

Date Completed: 7/2/19

Total Depth (ft bb): 2.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|---------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BK4-A-B-0-070219 |
| | | Very dark brown (10YR 2/2) SILT and CLAY, organic matter throughout | | 0 | | |
| 1 | | Gray (5YR 5/1) and dark gray (5YR 4/1) CLAY, little fine and medium SAND, organics | 1.75 | 0 | 1 - 1.5 | WP-STC-BK4-C-D-0-070219 |
| | | Black (5YR 2.5/1) CLAY, little SILT, slightly moist, soft | | 0 | | |
| 2 | | Red (2.5 YR 4/6) CLAY, wet, soft | | | | |
| | | No recovery | | | | |
| | | End of boring | | | | 0 - 0.5' via hand auger |
| 3 | | | | | | 1 - 1.5' via slide hammer |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.3

Boring difficulty: N/A

Top of sediment visibility: N/A - not visible

Time boring completed: 1545

Time/sediment level (ft) before draining sleeve: N/A - not visible

Time/sediment level (ft) after draining sleeve: N/A - not visible



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BK6

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BK6

Project Location: Fords, NJ

Date Completed: 7/2/19

Total Depth (ft bb): 2.83

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BK6-A-B-0-070219 |
| | | Black (5YR 2.5/1) and very dark brown (10YR 2/2) SILT and CLAY, organic matter throughout | | 0 | | |
| 1 | | Dark gray (5YR 4/1) to very dark gray (5YR 3/1) CLAY, little organic matter, trace fine to medium SAND | 1.55 | 0.2 0.7 0 | 1 - 1.5 | WP-STC-BK6-C-D-0-070219 |
| | | Gray (5YR 5/1) CLAY, soft | | | | |
| 2 | | No recovery | | | | |
| 3 | | End of boring | | | | 0 - 0.5' via hand auger 1 - 1.5' via slide hammer |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.15

Boring difficulty: Easy

Top of sediment visibility: N/A - no water

Time boring completed: 1032

Time/sediment level (ft) before draining sleeve: N/A - no water

Time/sediment level (ft) after draining sleeve: N/A - no water



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BL6

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BL6

Project Location: Fords, NJ

Date Completed: 7/2/19

Total Depth (ft bb): 2.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|------------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Very dark brown (10YR 2/2) SILT, organic matter throughout, little fine and medium SAND | | 0 | 0 - 0.5 | WP-STC-BL6-A-B-0-070219 |
| | | | | 0 | | |
| 1 | | Dark grayish brown (10YR 4/2) CLAY, little SILT and fine SAND, soft | | 0 | 1 - 1.5 | WP-STC-BL6-C-D-0-070219 |
| | | Dark grayish brown (10YR 4/2) and red (2.5YR 4/8) CLAY, some fine SAND, moist, soft | 2.1 | 0 | | |
| 2 | | Black (5YR 2.5/1) CLAY, little SILT, slightly moist, soft | | 0 | | |
| | | No recovery | | | | 0 - 0.83' via hand auger |
| 3 | | End of boring | | | | 0.83 - 2.5' via slide hammer |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.55

Boring difficulty: Easy

Top of sediment visibility: N/A - no water

Time boring completed: 1115

Time/sediment level (ft) before draining sleeve: N/A - no water

Time/sediment level (ft) after draining sleeve: N/A - no water



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BN1

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BN1

Project Location: Fords, NJ

Date Completed: 7/2/19

Total Depth (ft bb): 1.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-----------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BN1-A-B-0-070219 |
| | | Brown (10YR 5/3) SILT, little organic matter, trace well rounded GRAVEL, dry | | 0 | | |
| 1 | | Pale brown (10YR 6/3) SILT, dry | 1.5 | 0 | 1 - 1.5 | WP-STC-BN1-C-D-0-070219 |
| | | Brown (10YR 5/3) CLAY, some SILT, dry, stiff | | 0 | | 0 - 0.5' via hand auger |
| 2 | | Refusal at 1.5' | | | | 0.5 - 1.5' via slide hammer |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 16.5

Boring difficulty: Hard

Top of sediment visibility: N/A - no water

Time boring completed: 1640

Time/sediment level (ft) before draining sleeve: N/A - no water

Time/sediment level (ft) after draining sleeve: N/A - no water



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Log of Borehole: WP-STC-BN4

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BN4

Project Location: Fords, NJ

Date Completed: 7/2/19

Total Depth (ft bb): 1.6

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BN4-A-B-0-070219 |
| | | Dark brown (10YR 3/3) SILT, little organic matter, trace SAND and well rounded GRAVEL, dry | | 0 | | |
| 1 | | Dark brown (10YR 3/3) SILT, trace SAND and well rounded GRAVEL and organics, dry | 1.6 | 0 | 1 - 1.5 | WP-STC-BN4-C-D-0-070219 |
| | | Brown (10YR 5/3) CLAY, some SILT, dry, stiff | | 0 | | |
| 2 | | Refusal at 1.6 | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel and hand auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 16.0

Boring difficulty: Hard

Top of sediment visibility: N/A - no water

Time boring completed: 1620

Time/sediment level (ft) before draining sleeve: N/A - no water

Time/sediment level (ft) after draining sleeve: N/A - no water



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BE31

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BE31

Project Location: Fords, NJ

Date Completed: 7/9/19

Total Depth (ft bb): Refusal at 1.68

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BE31-A-B-0-070919 |
| | | Gray (5YR 5/1) Fine SAND, little SILT and well rounded fine GRAVEL | | 0 | | |
| 1 | | No recovery | 0.85 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.973

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: 1125

Time/sediment level (ft) before draining sleeve: 1200/0.66

Time/sediment level (ft) after draining sleeve: 1205/0.66



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BK34

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK34

Project Location: Fords, NJ

Date Completed: 7/9/19

Total Depth (ft bb): Refusal at 1.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BK34-M-N-0-070919 |
| | | Gray (5YR 5/1) Fine SAND, little SILT and well rounded fine GRAVEL | | 0 | | |
| 1 | | No recovery | 0.6 | | | |
| 2 | | End of boring Refusal at 1.5' | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613858

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 7.983

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 1115

Time/sediment level (ft) before draining sleeve: 1225/1.35

Time/sediment level (ft) after draining sleeve: 1230/1.35



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Fax: (732) 417-5801

Log of Borehole: WP-STC-BO10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BO10

Project Location: Fords, NJ

Date Completed: 7/9/19

Total Depth (ft bb): 2.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|---|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BO10-A-B-0-070919 |
| | | Very dark gray (5YR 3/1) Fine and medium SAND, little fine well rounded GRAVEL, debris (piece of brick) observed | | 0 | | |
| 1 | | Gray (5YR 5/1) CLAY, soft, slightly moist | 1.4 | 0 | 1 - 1.4 | WP-STC-BO10-C-D-0-070919 |
| | | No recovery | | 0 | | |
| 2 | | | | | | |
| | | End of boring | | | | 0 - 0.5' via hand auger 0.5 - 2.5' via slide hammer Sample taken within Channel C |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.45

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: N/A

Time/sediment level (ft) before draining sleeve: 1600/0.86

Time/sediment level (ft) after draining sleeve: 1600/not visible



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BQ19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BQ19

Project Location: Fords, NJ

Date Completed: 7/9/19

Total Depth (ft bb): 2.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BQ19-A-B-0-070919 |
| | | Very dark brown (10 YR 2/2) CLAY, little SILT, some organics (roots), soft, slightly moist | | 0 | | |
| 1 | | Dark gray (5YR 4/1) to very dark gray (5YR 3/1) CLAY, little to some fine and medium SAND, moist | 1.45 | 0 | 1 - 1.45 | WP-STC-BQ19-C-D-0-070919 |
| | | No recovery | | 0 | | |
| 2 | | | | | | |
| | | End of boring | | | | 0 - 0.5' via hand auger |
| 3 | | | | | | 0.5 - 2.5' via slide hammer |
| 4 | | | | | | Sample taken on dry land - Soil Sample |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.5

Boring difficulty: Hard

Top of sediment visibility: N/A - no water

Time boring completed: N/A

Time/sediment level (ft) before draining sleeve: N/A - no water

Time/sediment level (ft) after draining sleeve: N/A - no water



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Phone: (732) 417-5800
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Log of Borehole: WP-PB-BN34

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN34

Project Location: Fords, NJ

Date Completed: 7/10/19

Total Depth (ft bb): Refusal at 1.60

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.4 | WP-PB-BN34-K-L-0-071019 |
| | | Gray (7.5YR 6/1) Medium SAND, some coarse GRAVEL, little SILT, moist, slightly compacted | 0.4 | | | |
| 1 | | No recovery | | | | |
| 2 | | End of boring Refusal at 1.6' | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.586

Boring difficulty: Hard

Top of sediment visibility: Moderate

Time boring completed: N/A

Time/sediment level (ft) before draining sleeve: 1220/0.80

Time/sediment level (ft) after draining sleeve: 1225/0.80



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BN31

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN31

Project Location: Fords, NJ

Date Completed: 7/12/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BN31-A-B-0-071219 |
| | | Dark brownish gray (10YR 4/2) SILT, some fine SAND | | 0 | | |
| 1 | | Gray (5YR 5/1) Fine SAND, well sorted and compacted, trace well rounded fine GRAVEL | 1.1 | 0 | 1 - 1.5 | WP-PBC-BN31-C-D-0-071219 |
| | | Gray (5YR 6/1) Medium SAND, well sorted and compacted | | | | |
| 2 | | No recovery | | | | |
| | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613887.9

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 5.777

Boring difficulty: Very hard

Top of sediment visibility: Poor

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1245 / 0.92

Time/sediment level (ft) after draining sleeve: 1300 / 0.92



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Log of Borehole: WP-PB-BN34-071219

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN34-071219

Project Location: Fords, NJ

Date Completed: 7/12/19

Total Depth (ft bb): 2

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|----------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | | |
| | | Very dark gray (5YR 3/1) to black (5YR 2.5/1) SILT, some medium SAND, little trace well rounded fine GRAVEL | | 0 | | |
| 1 | | Gray (5YR 6/1) Fine SAND, well sorted and compacted, trace well rounded GRAVEL | 1.6 | 0 | 1 - 1.5 | WP-PBC-BN34-0-071219 |
| | | Gray (5YR 6/1) Medium SAND, little coarse SAND, and well rounded fine GRAVEL | | 0 | | |
| 2 | | No recovery | | | | |
| | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613858

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 8.586

Boring difficulty: Very hard

Top of sediment visibility: NA - minimal water in sleeve

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: NA - minimal water in sleeve

Time/sediment level (ft) after draining sleeve: NA - minimal water in sleeve



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Log of Borehole: WP-PB-BP31

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BP31

Project Location: Fords, NJ

Date Completed: 7/12/19

Total Depth (ft bb): 2.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | 1.0 | 0 | 0 - 0.5 | WP-PB-BP31-A-B-0-071219 |
| | | Dark brownish gray (10YR 4/2) SILT, some fine SAND | | 0 | | |
| 1 | | Gray (5YR 5/1) CLAY, soft, moist | | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 613887.9

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 5.742

Boring difficulty: Hard

Top of sediment visibility: Moderate

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1245 / 1.0

Time/sediment level (ft) after draining sleeve: 1320 / 1.0



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Log of Borehole: WP-BN1-5E

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-BN1-5E

Project Location: Fords, NJ

Date Completed: 7/18/19

Total Depth (ft bb): 0.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|----------------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Brown (10YR 5/3) SILT, little organic matter, trace well rounded GRAVEL | 0.5 | 0.7 | 0 - 0.5 | WP-BN1-5E-A-B-071819 |
| | | End of boring | | | | |
| 1 | | | | | | Boring completed with hand auger |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614193

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542262

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 16.5

Boring difficulty: Easy

Top of sediment visibility: NA

Time boring completed: 1130

Time/sediment level (ft) before draining sleeve: NA

Time/sediment level (ft) after draining sleeve: NA



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Phone: (732) 417-5800
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Log of Borehole: WP-BN1-5N

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-BN1-5N

Project Location: Fords, NJ

Date Completed: 7/18/19

Total Depth (ft bb): 0.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Brown (10YR 5/3) SILT, little organics, trace well rounded GRAVEL | 0.5 | 1.3 | 0 - 0.5 | WP-BN1-5N-A-B-0-071819 |
| | | End of boring | | | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614197

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542256

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 16.5

Boring difficulty: Easy

Top of sediment visibility: NA

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: NA

Time/sediment level (ft) after draining sleeve: NA



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-BN1-5S

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-BN1-5S

Project Location: Fords, NJ

Date Completed: 7/18/19

Total Depth (ft bb): 0.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|---------------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Brown (10YR 5/3) SILT, little organic matter, trace well rounded GRAVEL, dry | 0.5 | 1.9 | 0 - 0.5 | WP-BN1-5S-A-B-0-071819 |
| | | End of boring | | | | |
| 1 | | | | | | Boring completed via hand auger |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614187

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542257

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 16.5

Boring difficulty: Easy

Top of sediment visibility: NA

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: NA

Time/sediment level (ft) after draining sleeve: NA



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Phone: (732) 417-5800
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Log of Borehole: WP-BN1-5W

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-BN1-5W

Project Location: Fords, NJ

Date Completed: 7/18/19

Total Depth (ft bb): 0.5

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Brown (10YR 5/3) SILT, little organics, trace well rounded GRAVEL, dry | 0.5 | 1.0 | 0 - 0.5 | WP-BN1-5W-A-B-0-071819 |
| | | End of boring | | | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614191

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542252

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 16.5

Boring difficulty: Easy

Top of sediment visibility: NA

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: NA

Time/sediment level (ft) after draining sleeve: NA



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BK16

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK16

Project Location: Fords, NJ

Date Completed: 7/18/19

Total Depth (ft bb): 2

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BK16-C-D-0-071819 |
| | | Very dark gray (5YR 3/1) MEdium SAND, little SILT, trace organics (roots) | | 0 | | |
| | | Very dark gray (5YR 3/1) SILT, little CLAY | | 0 | | |
| 1 | | Gray (5YR 6/1) Medium SAND, some coarse GRAVEL and CLAY, trace organics | 0.75 | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614038

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542233

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.529

Boring difficulty: Hard

Top of sediment visibility: Moderate

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1405/ 0.21

Time/sediment level (ft) after draining sleeve: 1412/ 0.21



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BN16

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN16

Project Location: Fords, NJ

Date Completed: 07/18/19

Total Depth (ft bb): 2.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Gray (5YR 5/1) Fine SAND, some medium SAND, moderately sorted | | 3.4 | 0 - 0.5 | WP-PB-BN16-C-D-0-071819 |
| | | Very dark gray (5YR 3/1) CLAY, little fine SAND | | 1.3 | | |
| | | | | 1.5 | | |
| 1 | | Gray (5YR 6/1) Fine SAND, well sorted, some well rounded fine and coarse GRAVEL in bottom 0.2' | 1.35 | 0 | 1 - 1.35 | WP-PBC-BN16-E-F-0-071819 |
| | | | | 0 | | |
| | | | | 0 | | |
| 2 | | No recovery | | | | |
| | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614038

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.893

Boring difficulty: Hard

Top of sediment visibility: Low

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1100/0.45

Time/sediment level (ft) after draining sleeve: 1110/0.45



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-PB-BN13

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN13

Project Location: Fords, NJ

Date Completed: 7/22/19

Total Depth (ft bb): 2.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (5YR 4/1) Medium and fine SAND, some CLAY. trace organics | | NR | 0 - 0.5 | WP-PB-BN13-C-D-0-072219 |
| 1 | | Dark gray (5YR 4/1) CLAY, little medium SAND, trace fine GRAVEL | 0.95 | | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614068.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.393

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1451 / 1.10

Time/sediment level (ft) after draining sleeve: 1454 / 1.10



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Log of Borehole: WP-PB-BQ19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BQ19

Project Location: Fords, NJ

Date Completed: 7/22/19

Total Depth (ft bb): 2.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (5YR 4/1) Medium SAND, trace organics (roots) | | 0.0 | 0 - 0.5 | WP-PB-BQ19-C-D-0-072219 |
| 1 | | Dark gray (5YR 4/1) Medium SAND and SILT, little fine SAND, trace organics (roots from 0.2 - 0.4) | 0.90 | 0.0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614008.2

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542293.8

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.289

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1603 / 1.17

Time/sediment level (ft) after draining sleeve: 1605 / 1.17



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
Edison, NJ 08837
Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BQ16-C-D-0-072219

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BQ16-C-D-0-072219

Project Location: Fords, NJ

Date Completed: 7/22/19

Total Depth (ft bb): 2.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0.0 | 0 - 0.5 | WP-SB-BQ16-C-D-0-072219 |
| | | Gray (5YR 5/1) Medium SAND, some fine SAND, trace fine GRAVEL | | 0.0 | | |
| 1 | | No recovery | 1.10 | 0.0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614037.9

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542293.9

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.898

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1548 / 0.95

Time/sediment level (ft) after draining sleeve: 1550 / 0.95



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-SB-BR19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BR19

Project Location: Fords, NJ

Date Completed: 7/22/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Brown (7.5YR 5/2) Medium SAND, trace CLAY and organics, saturated | | 0.4 | 0 - 0.5 | WP-SB-BR19-C-D-0-072219 |
| | | Gray (7.5YR 5/1) CLAY and fine SAND. (Fine gravel at bottom 0.7 - 0.8) saturated | 0.80 | 0.8 | | |
| 1 | | No recovery | | 0.0 | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614007.6

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542302.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.031

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1432 / 1.25

Time/sediment level (ft) after draining sleeve: 1435 / 1.25



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Fax: (732) 417-5801

Log of Borehole: WP-ST-BR19

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BR19

Project Location: Fords, NJ

Date Completed: 7/22/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | 1 | 0.0 | 0 - 0.5 | WP-ST-BR19-A-B-0-072219 |
| | | Dark brown (7.5YR 3/4) Medium SAND, some fine GRAVEL and organics (roots), dry | | 0.0 | | |
| 1 | | Dark gray (7.5YR 4/1) to brown (7.5YR 5/3) Medium SAND, little SILT, well sorted, moist | | 0.0 | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614007.9

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542307

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 15.499

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: 1.10 / No water

Time/sediment level (ft) after draining sleeve: 1.10 / No water



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205 Campus Drive
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Log of Borehole: WP-PB-BK10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK10

Project Location: Fords, NJ

Date Completed: 7/24/19

Total Depth (ft bb): 2.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Gray (10YR 5/1) Medium SAND, some fine SAND and SILT | | 0.2 | 0 - 0.5 | WP-PB-BK10-C-D-0-072419 |
| | | Gray (10YR 5/1) Medium and fine SAND, little SILT and fine GRAVEL | | 0.7 | | |
| 1 | | Gray (10YR 5/1) Medium SAND | 1.60 | 1.1 | 1 - 1.5 | WP-PBC-BK10-E-F-0-072419 |
| | | No recovery | | 0.5 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614098

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542233

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 11.025

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: 1327

Time/sediment level (ft) before draining sleeve: 1445 / 0.22

Time/sediment level (ft) after draining sleeve: 1447 / 0.22



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BN13-072419

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BN13-072419

Project Location: Fords, NJ

Date Completed: 7/24/19

Total Depth (ft bb): 2.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Gray (10YR 5/1) Medium SAND, some CLAY | | 0.0 | | |
| | | Gray (10YR 5/1) Fine SAND and CLAY, soft | | 0.0 | | |
| 1 | | Gray (10YR 5/1) Medium SAND, some CLAY | 1.65 | 0.0 | 1 - 1.5 | WP-PBC-BN13-E-F-0-072419 |
| | | Gray (10YR 5/1) Fine SAND and CLAY, soft | | 0.0 | | |
| 2 | | Very dark gray (10YR 3/1) CLAY and SILT, soft, trace organics (roots) | | | | |
| | | No recovery | | | | |
| 3 | | End of boring | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Sevenson

Northing (NAD 83): 614068

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.310

Boring difficulty: Moderate

Top of sediment visibility: Clear/moderate

Time boring completed: 1307

Time/sediment level (ft) before draining sleeve: 1413 / 0.35

Time/sediment level (ft) after draining sleeve: 1416 / 0.35



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Fax: (732) 417-5801

Log of Borehole: WP-SB-BL10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BL10

Project Location: Fords, NJ

Date Completed: 7/24/19

Total Depth (ft bb): 1.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (10YR 4/1) Medium and fine SAND, some CLAY and organics (roots), trace SILT | | 0.2 | 0 - 0.5 | WP-SB-BL10-C-D-0-072419 |
| | | | | 0.4 | | |
| 1 | | Dark gray (10YR 4/1) Medium SAND, poorly sorted | 1.30 | 1.1 | | |
| | | Dark gray (10YR 4/1) CLAY, soft | | 0.4 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614098

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542249

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.938

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 1333

Time/sediment level (ft) before draining sleeve: 1516 / 0.73

Time/sediment level (ft) after draining sleeve: 1518 / 0.73



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Fax: (732) 417-5801

Log of Borehole: WP-SB-BN11

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BN11

Project Location: Fords, NJ

Date Completed: 7/24/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|----------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (7.5YR 4/1) CLAY, some SILT, trace fine SAND and organics (roots), soft | 1.0 | 0.1 | 0 - 0.5 | |
| | | Gray (7.5YR 5/1) SAND and CLAY, trace fine GRAVEL, medium stiff | | 0.1 | | |
| 1 | | End of boring | | 0.1 | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614082.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.935

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0955

Time/sediment level (ft) before draining sleeve: 1100 / 1.0

Time/sediment level (ft) after draining sleeve: 1104 / 1.0



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Phone: (732) 417-5800
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Log of Borehole: WP-SB-BP13

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BP13

Project Location: Fords, NJ

Date Completed: 7/24/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Gray (7.5 YR 5/1) Medium SAND, poorly sorted | | 0.1 | 0 - 0.5 | WP-SB-BP13-C-D-0-072419 |
| | | Dark gray (7.5 YR 4/1) Medium and fine SAND, little SILT | 0.75 | 0.7 | | |
| 1 | | Dark gray (7.5YR 4/1) CLAY and medium and fine SAND, medium stiff | | 0.1 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614082.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542264.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.819

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0949

Time/sediment level (ft) before draining sleeve: 1138 / 1.07

Time/sediment level (ft) after draining sleeve: 1143 / 1.07



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-BL10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BL10

Project Location: Fords, NJ

Date Completed: 7/24/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Very dark brown (10YR 2/2) Organics (roots, leaves), little SILT, and fine SAND | 0.45 | 0.0 | 0 - 0.45 | WP-ST-BL10-A-B-0-072419 |
| | | Dark brown (10YR 3/3) Medium and fine SAND, little SILT and organics (roots) | | 0.0 | | |
| 1 | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614097.9

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542251.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.904

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 1338

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



The Trusted Integrator for Sustainable Solutions

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Fax: (732) 417-5801

Log of Borehole: WP-ST-BN11

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BN11

Project Location: Fords, NJ

Date Completed: 7/24/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description <div>USCS</div> <div>Burmister</div> | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BN11-A-B-0-072419 |
| | | Very dark brown (7.5YR 2.5/2) Organics (leaves, roots) little SILT and SAND | 0.5 | 0 | | |
| | | Gray (7.5YR 5/1) Medium SAND, some CLAY and fine SAND, soft | | | | |
| 1 | | Gray (7.5 YR 5/1) CLAY, little fine SAND, medium stiff | | | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614082

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542266

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 15.009

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0958

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-BP13

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BP13

Project Location: Fords, NJ

Date Completed: 7/24/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BP13-A-B-0-072419 |
| | | Dark gray (7.5YR 3/4) Organics (roots, leaves), little SILT and SAND, dry | 0.85 | 0 | | |
| | | Brown (7.5YR 5/4) Medium SAND, trace fine GRAVEL and roots | | 0 | | |
| 1 | | Brown (7.5YR 4/3) Organics (roots) and SAND, trace SILT | | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614068.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542281

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 16.018

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0952

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Phone: (732) 417-5800
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Log of Borehole: WP-ST-BQ16

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BQ16

Project Location: Fords, NJ

Date Completed: 7/24/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Very dark brown (7.5YR 2.5/2) Organics (leaves, roots) and SAND, slightly moist | | 0 | 0 - 0.5 | WP-ST-BQ16-A-B-0-072419 |
| | | Gray (7.5YR 5/1) Medium SAND, little fine SAND, trace SILT and GRAVEL | 0.8 | 0 | | |
| 1 | | No recovery | | 0 | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614038

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542296

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 15.119

Boring difficulty: Moderate

Top of sediment visibility: Clear / No water

Time boring completed: 0932

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



The Trusted Integrator for Sustainable Solutions

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Fax: (732) 417-5801

Log of Borehole: WP-BN1-5E-072519

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-BN1-5E-072519

Project Location: Fords, NJ

Date Completed: 7/25/19

Total Depth (ft bb): 1.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Collected on 7/18/19 | | | | |
| 1 | | Brown (7.5YR 4/4) Medium SAND, some organics (roots) little SILT and CLAY, trace GRAVEL | 1.0 | 0 | 1 - 1.5 | WP-BN1-5E-C-D-0-072519 |
| | | Brown (7.5YR 5/4) Medium SAND, little CLAY, trace organics (roots) | | 0 | | |
| 2 | | End of boring | | | | Via hand auger |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 16.5

Boring difficulty: Moderate

Top of sediment visibility: NA

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: NA

Time/sediment level (ft) after draining sleeve: NA



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
Edison, NJ 08837
Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-BN1-10E

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-BN1-10E

Project Location: Fords, NJ

Date Completed: 7/25/19

Total Depth (ft bb): 0.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | 0.5 | 0.1 | 0 - 0.5 | WP-BN1-10E-A-B-0-072519 |
| | | Very dark gray (5YR 3/1) CLAY and organics (roots), little fine SAND and SILT | | 0.1 | | |
| | | End of boring | | | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 16.5

Boring difficulty: NA

Top of sediment visibility: NA

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: NA

Time/sediment level (ft) after draining sleeve: NA



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-BN1-10N

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-BN1-10N

Project Location: Fords, NJ

Date Completed: 7/25/19

Total Depth (ft bb): 0.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-BN1-10N-A-B-0-072519 |
| | | Brown (7.5YR 4.3) Medium SAND, some organics (roots, sticks) little SILT | 0.5 | 0.7 | | |
| | | End of boring | | 0 | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel Hand Auger

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 16.5

Boring difficulty: Moderate

Top of sediment visibility: NA

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: NA

Time/sediment level (ft) after draining sleeve: NA



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-BN1-10S

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-BN1-10S

Project Location: Fords, NJ

Date Completed: 7/25/19

Total Depth (ft bb): 0.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark brown (7.5YR 3/4) Medium and fine SAND, some organics (roots), trace SILT | 0.5 | 0.1 | 0 - 0.5 | WP-BN1-10S-A-B-0-072519 |
| | | End of boring | | 0.1 | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 0

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 0

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 16.5

Boring difficulty: Moderate

Top of sediment visibility: NA

Time boring completed: NA

Time/sediment level (ft) before draining sleeve: NA

Time/sediment level (ft) after draining sleeve: NA



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Phone: (732) 417-5800
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Log of Borehole: WP-PB-BH10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH10

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 2.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (7.5 YR 4/1) SILT and organics (roots) very soft | | 0.0 | 0 - 0.5 | WP-PB-BH10-C-D-0-072619 |
| | | Dark gray (7.5YR 4/1) CLAY and SILT, little organics, stiff | | 0.2 | | |
| 1 | | Gray (7.5YR 5/1) CLAY, little SILT, soft | 1.20 | 1.1 | 1 - 1.2 | WP-PBC-BH10-E-F-0-072619 |
| | | Gray (7.5YR 5/1) Fine SAND, trace medium SAND and CLAY | | | | |
| 2 | | No recovery | | | | |
| | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614097.7

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542203.8

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.710

Boring difficulty: Hard

Top of sediment visibility: Moderate

Time boring completed: 1252

Time/sediment level (ft) before draining sleeve: 1322 / 0.66

Time/sediment level (ft) after draining sleeve: 1322 / 0.66



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Log of Borehole: WP-PB-BK7

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK7

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 2.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (7.5YR 4/1) Medium SAND, little fine SAND, coarse GRAVEL in top 0.10' | | NR | 0 - 0.5 | WP-PB-BK7-C-D-0-072619 |
| 1 | | No recovery | 0.80 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614128

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542234

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.302

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 1012

Time/sediment level (ft) before draining sleeve: 1123 / 1.14

Time/sediment level (ft) after draining sleeve: 1129 / 1.14



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Fax: (732) 417-5801

Log of Borehole: WP-PB-BK13

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK13

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 2.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.3 | WP-PB-BK13-C-D-0-072619 |
| | | Very dark brown (7.5YR 2.5/2) SILT and fine SAND, trace organics (roots) | | | | |
| 1 | | No recovery | 0.3 | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614068.3

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542234.4

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.921

Boring difficulty: Hard

Top of sediment visibility: Poor

Time boring completed: 0826

Time/sediment level (ft) before draining sleeve: 1012 / 1.07

Time/sediment level (ft) after draining sleeve: 1015 / 1.07



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Log of Borehole: WP-SB-BG10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BG10

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 2.0 | 0 - 0.5 | WP-SB-BG10-A-B-0-072619 |
| | | Dark brown (7.5YR 3/3) SILT, some organics, little CLAY, very soft | 1.0 | 0 | | |
| | | Dark brown (7.5YR 3/3) CLAY, soft | | | | |
| 1 | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614097.7

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542188.8

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.350

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 1242

Time/sediment level (ft) before draining sleeve: 1332 / 1.10

Time/sediment level (ft) after draining sleeve: 1340 / 1.10



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Log of Borehole: WP-SB-BH7

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BH7

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BH7-C-D-0-072619 |
| | | Dark brown (7.5YR 3/2) SILT, some fine SAND and organics (roots) | 0.65 | 0 | | |
| | | Gray (7.5YR 6/1) CLAY, little SILT, soft | | | | |
| 1 | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614127.5

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204.3

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.417

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 1120

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Log of Borehole: WP-SB-BH8

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BH8

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0.2 | 0 - 0.5 | WP-SB-BH8-A-B-0-072619 |
| | | Very dark gray (7.5YR 3/1) SILT and organics (roots), very soft | 0.8 | 1.8 | | |
| | | Gray (7.5YR 6/1) CLAY, soft | | 0.1 | | |
| 1 | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614115.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204.6

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.977

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: 1130

Time/sediment level (ft) before draining sleeve: 1240 / 1.26

Time/sediment level (ft) after draining sleeve: 1243 / 1.26



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Log of Borehole: WP-SB-BJ6

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BJ6

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Very dark gray (7.5YR 3/1) SILT, some organics (roots), trace CLAY and fine SAND | 0.6 | NR | 0 - 0.5 | WP-SB-BJ6-C-D-0-072619 |
| 1 | | Gray (7.5YR 6/1) CLAY, little fine SAND, soft | | | | |
| | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614133.3

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542220

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.112

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0942

Time/sediment level (ft) before draining sleeve: 1111 / 1.41

Time/sediment level (ft) after draining sleeve: 1114 / 1.41



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Log of Borehole: WP-SB-BK6

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BK6

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark gray (5YR 4/1) CLAY, soft | | 0.3 | 0 - 0.5 | WP-SB-BK6-C-D-0-072619 |
| | | Very dark brown (7.5YR 2.5/2) SILT and trace organics (roots) | 0.8 | 0.3 | | |
| 1 | | Dark gray (5YR 4/1) CLAY, soft | | 0.4 | | |
| | | Gray (7.5YR 5/1) CLAY, some fine SAND | | | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614138.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542233.7

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.144

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0949

Time/sediment level (ft) before draining sleeve: 1045 / 1.18

Time/sediment level (ft) after draining sleeve: 1050 / 1.18



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Log of Borehole: WP-SB-BL6

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BL6

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Brown (7.5YR 5/4) Medium and fine SAND, some CLAY | | 0.5 | 0 - 0.5 | WP-SB-BL6-C-D-0-072619 |
| | | Very dark brown (7.5YR 2.5/2) SILT, little CLAY | 0.90 | 0 | | |
| 1 | | No recovery | | 0 | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614142.5

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542247.9

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.937

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: 0750

Time/sediment level (ft) before draining sleeve: 0953 / 1.05

Time/sediment level (ft) after draining sleeve: 0955 / 1.05



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Log of Borehole: WP-SB-BL7

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BL7

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BL7-C-D-0-072619 |
| | | Dark gray (7.5YR 4/1) Fine SAND, some CLAY, well compacted | | 0 | | |
| | | Dark gray (7.5YR 4/1) CLAY and SILT, some fine SAND | 0.70 | | | |
| 1 | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614127.8

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542249

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.480

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0815

Time/sediment level (ft) before draining sleeve: 0930 / 1.32

Time/sediment level (ft) after draining sleeve: 0932 / 1.32



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Log of Borehole: WP-ST-BG10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BG10

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark brown (7.5YR 3/2) SILT, some organics, very soft | | 0.0 | 0 - 0.5 | WP-ST-BG10-A-B-0-072619 |
| | | Dark brown (7.5YR 3/2) CLAY, little SILT, very soft | 0.5 | 0.0 | | |
| 1 | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614100.2

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542185

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.398

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: 1245

Time/sediment level (ft) before draining sleeve: 1332 / 1.42

Time/sediment level (ft) after draining sleeve: 1335 / 1.42



The Trusted Integrator for Sustainable Solutions

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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-BH7

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

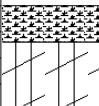
Borehole Completed As: WP-ST-BH7

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|---|--|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 |  | Ground Surface | 1.0 | 0.2 | 0 - 0.5 | WP-ST-BH7-A-B-0-072619 |
| | | Dark brown (7.5YR 3/4) Organics (roots, stalks) some SILT, very soft | | 0.2 | | |
| | | Gray (7.5YR 6/1) CLAY, some SILT, soft | | 0.2 | | |
| 1 | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614128.5

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542203.5

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.508

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 1123

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Log of Borehole: WP-ST-BH8

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BH8

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-----------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | 0.5 | 0 | 0 - 0.5 | WP-ST-BH8-A-B-0-07269 |
| | | Gray (7.5YR 6/1) CLAY, trace SILT, soft | | 0 | | |
| | | No recovery | | | | |
| 1 | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614114.9

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542203.2

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.328

Boring difficulty: Hard

Top of sediment visibility: Very poor

Time boring completed: 1133

Time/sediment level (ft) before draining sleeve: 1227 / 0.45

Time/sediment level (ft) after draining sleeve: 1229 / 0.45



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Phone: (732) 417-5800
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Log of Borehole: WP-ST-BJ6

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BJ6

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 1.5 | 0 - 0.5 | WP-ST-BJ6-A-B-0-072619 |
| | | Dark brown (7.5YR 3/4) SILT and organics, some CLAY, very soft | | 2.2 | | |
| | | No recovery | 0.5 | | | |
| 1 | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614134.9

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542220.3

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.532

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0945

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-ST-BK6

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BK6

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | WP-ST-BK6-A-B-0-072619 |
| | | Very dark brown (7.5YR 2.5/3) Organics (roots, leaves), some fine SAND, little SILT | | 0.8 | 0 - 0.5 | |
| | | Gray (7.5YR 6/1) Medium SAND, trace SILT and CLAY | 1.2 | 0.6 | | |
| 1 | | Very dark gray (5YR 3/1) SILT, some CLAY | | 0.8 | | |
| | | Very dark gray (5YR 3/1) CLAY, very soft | | | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614141.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542234.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.783

Boring difficulty: Hard

Top of sediment visibility: Clear

Time boring completed: 0953

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Log of Borehole: WP-ST-BL6

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BL6

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.5

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0.3 | 0 - 0.5 | WP-ST-BL6-A-B-0-072619 |
| | | Brown (7.5YR 4/2) Fine SAND, some CLAY, little fine GRAVEL, trace organics (roots) | 1.10 | 0 | | |
| 1 | | Strong brown (7.5YR 4/6) CLAY, stiff | | 0 | | |
| | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614145.2

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542249.4

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.829

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0758

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Log of Borehole: WP-ST-BL7

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BL7

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Very dark brown (10YR 2/2) Organics (roots), some fine SAND, little SILT, dry | 0.60 | 0.5 | 0 - 0.5 | WP-ST-BL7-A-B-0-072619 |
| | | Brown (7.5YR 4/2) Fine SAND, some organics (roots), little SILT, dry | | 0.3 | | |
| 1 | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614126.9

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542253.2

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 15.584

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0819

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Log of Borehole: WP-STC-BL10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BL10

Project Location: Fords, NJ

Date Completed: 7/26/19

Total Depth (ft bb): 2.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Dark brown (7.5YR 3/2) SILT and fine SAND, some organics (roots) dry | | 0.2 | 0 - 0.5 | WP-STC-BL10-A-B-0-072619 |
| | | Gray (7.5YR 5/1) Medium SAND, little coarse SAND, dry | | 0.3 | | |
| 1 | | No recovery | 1.10 | 0.1 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614101.6

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542254.6

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.950

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 1150

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



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Log of Borehole: WP-PB-BH13

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BH13

Project Location: Fords, NJ

Date Completed: 7/29/19

Total Depth (ft bb): Refusal at 1.83'

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Gray (7.5YR 5/1) Medium and fine SAND, trace coarse to fine GRAVEL | | 0 | 0 - 0.5 | WP-PB-BH13-A-B-0-072919 |
| | | | | 0 | | |
| 1 | | Brown (7.5YR 5/4) Medium and fine sand, trace coarse GRAVEL | 0.90 | 0 | | |
| | | No recovery | | | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614068.4

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542204

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.197

Boring difficulty: Moderate

Top of sediment visibility: Clear

Time boring completed: 0827

Time/sediment level (ft) before draining sleeve: 1023 / 1.10

Time/sediment level (ft) after draining sleeve: 1026 / 1.10



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Log of Borehole: WP-SB-BE11

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BE11

Project Location: Fords, NJ

Date Completed: 7/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-SB-BE11-C-D-0-072919 |
| | | Very dark brown (7.5YR 2.5/3) SILT and organics (roots, leaves, stems), trace CLAY, very soft | 0.60 | 0 | | |
| 1 | | Very dark gray (7.5YR 3/1) CLAY, trace SILT and organics (roots) | | | | |
| | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614078

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542176.1

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.972

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: 0805

Time/sediment level (ft) before draining sleeve: 1011 / 1.37

Time/sediment level (ft) after draining sleeve: 1013 / 1.37



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Log of Borehole: WP-SB-BE13

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-SB-BE13

Project Location: Fords, NJ

Date Completed: 7/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | | | |
| | | Very dark brown (7.5YR 2.5/3) SILT and organics (roots, leaves), very soft | 0.7 | NR | 0 - 0.5 | WP-SB-BE13-C-D-0-072919 |
| | | Very dark gray (7.5YR 3/1) CLAY, stiff | | | | |
| 1 | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614068

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542175.4

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 12.473

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: 0813

Time/sediment level (ft) before draining sleeve: 0944 / 1.32

Time/sediment level (ft) after draining sleeve: 0948 / 1.32



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Log of Borehole: WP-ST-BE11

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BE11

Project Location: Fords, NJ

Date Completed: 7/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0.0 | 0 - 0.5 | WP-ST-BE11-A-B-0-072919 |
| | | Very dark brown (7.5YR 2.5/3) SILT and organics (roots, leaves), trace CLAY, very soft | 0.80 | 0.0 | | |
| 1 | | Very dark brown (7.5YR 2.5/3) SILT, some CLAY, trace organics (roots), soft | | | | |
| | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614078.8

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542174.6

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.937

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: 0809

Time/sediment level (ft) before draining sleeve: 1000 / 1.23

Time/sediment level (ft) after draining sleeve: 1003 / 1.23



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Log of Borehole: WP-ST-BE13

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-ST-BE13

Project Location: Fords, NJ

Date Completed: 7/29/19

Total Depth (ft bb): 1.0

Geologist/Logger: A. Roppoli

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-ST-BE13-A-B-0-072919 |
| | | Very dark brown (7.5YR 2.5/3) SILT and organics (roots, leaves), trace CLAY, very soft | 0.75 | 0 | | |
| 1 | | Very dark brown (7.5YR 2.5/3) CLAY, trace SILT and organics (roots), soft | | | | |
| | | No recovery End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614067.7

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542173.3

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 13.383

Boring difficulty: Moderate

Top of sediment visibility: Moderate

Time boring completed: 0820

Time/sediment level (ft) before draining sleeve: 0934 / 1.29

Time/sediment level (ft) after draining sleeve: 0936 / 1.26



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Log of Borehole: WP-PB-BK13-073119

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-PB-BK13-073119

Project Location: Fords, NJ

Date Completed: 7/31/19

Total Depth (ft bb): 2.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|--------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-PB-BK13-C-D-0-073119 |
| | | Very dark gray (5YR 3/1) Fine to coarse SAND, poorly sorted | | 0 | | |
| 1 | | Gray (5YR 3/1) and dark gray (5YR 4/1) fine and medium SAND, some coarse well rounded GRAVEL throughout | 1.35 | 0 | 1 - 1.35 | WP-PBC-BK13-E-F-0-073119 |
| | | No recovery | | 0 | | |
| 2 | | End of boring | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614068.3

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542234.3

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 10.829

Boring difficulty: Hard

Top of sediment visibility: Very low

Time boring completed: N/A

Time/sediment level (ft) before draining sleeve: 0925 / 0.30

Time/sediment level (ft) after draining sleeve: 0935 / 0.64



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Phone: (732) 417-5800
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Log of Borehole: WP-STC-BG10

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BG10

Project Location: Fords, NJ

Date Completed: 7/31/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|---|--------------------|------------------|----------------------------|---|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BG10-A-B-0-073119 |
| | | Very dark brown (10YR 2/2) CLAY and SILT, organic matter throughout | 0.87 | 0 | | |
| 1 | | Very dark brown (10YR 2/2) CLAY, organic matter throughout | | | | Location is outside excavation boundary |
| | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614103.1

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542181.5

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.283

Boring difficulty: Moderate

Top of sediment visibility: No water

Time boring completed: N/A

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water



The Trusted Integrator for Sustainable Solutions

205 Campus Drive
Edison, NJ 08837
Phone: (732) 417-5800
Fax: (732) 417-5801

Log of Borehole: WP-STC-BJ6-073119

Project: Hatco Woodbridge Pond Post-Excavation Sediment Sampling

Client: Hatco Corporation

Borehole Completed As: WP-STC-BJ6-073119

Project Location: Fords, NJ

Date Completed: 7/31/19

Total Depth (ft bb): 1.0

Geologist/Logger: H. Bravo-Ruiz

| SUBSURFACE PROFILE | | | SAMPLE | | | Comments |
|--------------------|------------------|--|--------------------|------------------|----------------------------|-------------------------|
| Depth (ft bb) | Symbol (USCS) | Description USCS Burmister | Recovery (feet) | PID/OVM (ppm) | Sample Depth (ft bb) | |
| 0 | | Ground Surface | | 0 | 0 - 0.5 | WP-STC-BJ6-A-B-0-073119 |
| | | Black (10YR 2/1) SILT and CLAY, organic matter throughout | 0.82 | 0 | | |
| 1 | | Very dark gray (5YR 3/1) CLAY, very soft, some organic matter throughout | | | | |
| | | No recovery | | | | |
| | | End of boring | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Drilling Subcontractor: Severson

Northing (NAD 83): 614139.6

Drilling Method: Slide hammer with core barrel

Easting (NAD 83): 542219.2

Sampling Method: Acetate sleeve / Polyethylene scoop

Bottom elevation (ft): 14.141

Boring difficulty: Moderate

Top of sediment visibility: No water

Time boring completed: N/A

Time/sediment level (ft) before draining sleeve: No water

Time/sediment level (ft) after draining sleeve: No water